Overview

Block 5 Metallic Properties		
Played on	8 Nov 2019	
Hosted by	anonymous	
Played with	28 players	
Played	10 of 10	

Overall Performance	
Total correct answers (%)	65,369
Total incorrect answers (%)	34,649
Average score (points)	6593,6

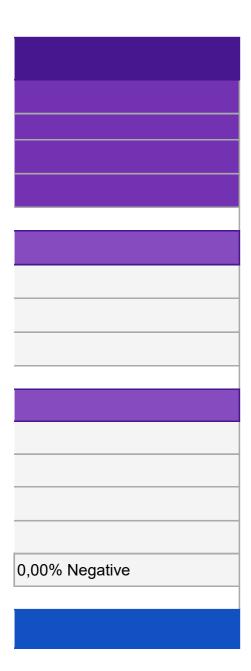
Feedback	
Number of responses	0
How fun was it? (out of 5)	0,00 o
Did you learn something?	0,00%
Do you recommend it?	0,00%
How do you feel?	•

Switch tabs/pages to view other result breakdown

Overview

%			
%			
34 points			
ut of 5			
Yes	0,00% No		
Yes	0,00% No		
0,00% Positive	0	0,00% Neutral	•

Overview



Block 5 Metallic Properties

Final Sco	res
Rank	Players
1	Chelsea
2	Liam
3	Michael
4	Alec S
5	java.util.scann
6	mckenna
7	Katie
8	Lindsey
9	ok boomer
10	david
11	Shane
12	Jason
13	troy
14	sydney
15	Owen
16	harrry bunt
17	ben dover
18	Ashley
19	maddie
20	rhys oiecec
21	julia
22	Macon

Final Scores

23	ginaaa
24	Max
25	Dahlia
26	Mscon
27	WittyGator32
28	Bad driver Witz

Final Scores

Total Score (points)	Correct Answers	Incorrect Answers
13424	10	0
13383	10	0
13381	10	0
13315	10	0
9096	9	1
8860	9	1
8585	9	1
8211	9	1
7794	8	2
7337	8	2
7203	8	2
6775	7	3
6771	8	2
6709	7	3
6101	6	4
6017	7	3
5646	6	4
5450	6	4
5398	6	4
5047	6	4
4782	6	4
4223	5	5

Final Scores

4071	5	5
3675	4	6
2545	3	7
823	1	9
0	0	10
0	0	10

Block 5 Metallic Properties

Kahoot! Summary		
Rank	Players	
1	Chelsea	
2	Liam	
3	Michael	
4	Alec S	
5	java.util.scann	
6	mckenna	
7	Katie	
8	Lindsey	
9	ok boomer	
10	david	
11	Shane	
12	Jason	
13	troy	
14	sydney	
15	Owen	

16	harrry bunt
17	ben dover
18	Ashley
19	maddie
20	rhys oiecec
21	julia
22	Macon
23	ginaaa
24	Max
25	Dahlia
26	Mscon
27	WittyGator32
28	Bad driver Witz

	ot. Builling
Total Score (points)	Q1
13424	983
13383	965
13381	985
13315	963
9096	855
8860	785
8585	748
8211	650
7794	653
7337	770
7203	773
6775	913
6771	805
6709	0
6101	0

Page 10

6017	715
5646	0
5450	943
5398	758
5047	820
4782	0
4223	715
4071	753
3675	0
2545	0
823	0
0	0
0	0

What must happen for metals to react with other atoms?	Q2
A chemical change must occur	1080
A chemical change must occur	1060
A chemical change must occur	1053
A chemical change must occur	1058
A chemical change must occur	970
A chemical change must occur	0
A chemical change must occur	0
A chemical change must occur	730
A chemical change must occur	878
A chemical change must occur	888
A chemical change must occur	0
A chemical change must occur	0
A chemical change must occur	0
A physical change must occur	0
A physical change must occur	0

A chemical change must occur	833
A physical change must occur	0
A chemical change must occur	0
A chemical change must occur	0
A chemical change must occur	0
A physical change must occur	0
A chemical change must occur	0
A chemical change must occur	0
	0
A physical change must occur	0
	0
	0
	0

What happens to Metallic trend as you move LEFT to Right	Q3
Elements become less reactive	1178
Elements become less reactive	1170
Elements become less reactive	1165
Elements become less reactive	1163
Elements become less reactive	1070
Elements become more reactive	588
	590
Elements become less reactive	890
Elements become less reactive	1055
Elements become less reactive	1018
Elements become more reactive	778
Elements become more reactive	0
Elements become more reactive	845
Elements become more reactive	788
Elements become more reactive	755

Elements become less reactive	973
Elements become more reactive	855
Elements become more reactive	928
	793
Elements become more reactive	798
	848
	825
Elements become more reactive	855
Elements are equally reactive	0
Elements become more reactive	950
	0
	0
	0

How does reactivity change within a given group?	Q4
Further down is more reactive	1300
Further down is more reactive	1300
Further down is more reactive	1278
Further down is more reactive	1278
Further down is more reactive	1215
Further down is more reactive	798
Further down is more reactive	885
Further down is more reactive	1118
Further down is more reactive	1088
Further down is more reactive	960
Further down is more reactive	983
Further up is more reactive	820
Further down is more reactive	805
Further down is more reactive	810
Further down is more reactive	955

•	
Further down is more reactive	913
Further down is more reactive	0
Further down is more reactive	0
Further down is more reactive	0
Further down is more reactive	978
Further down is more reactive	720
Further down is more reactive	0
Further down is more reactive	0
Further up is more reactive	0
Further down is more reactive	0
	0
	0
	0

Alloy is made of two or more non-metallic elements	Q5
True	1400
True	1280
True	895
True	938
True	1155
True	1205
True	1153
True	985
True	1038
True	1020
True	1118
True	1040

True	1103
False	915
False	973
False	943
True	0
True	965
False	825
	950
False	915
	745
	0
	0
	0

An example of an alloy is	Q6
bronz	e 1500
bronz	e 0
bronz	e 923
bronz	e 830
bronz	e 0
bronz	e 1355
bronz	e 0
bronz	e 0
bronz	e 1033
bronz	e 0
bronz	e 835
bronz	e 968

,	
bronze	0
bronze	763
bronze	0
bronze	953
concrete	0
bronze	0
bronze	870
bronze	0
bronze	0
bronze	0
	0
	0
	0

Which is not true about Lanthanide metals?	Q7
Are on the first row on the periodic table	1500
Are on the first row on the periodic table	1488
Are on the first row on the periodic table	1500
Are on the first row on the periodic table	1500
Non-radioactive metals	775
Are on the first row on the periodic table	1115
Are on the first row on the periodic table	923
Non-radioactive metals	735
Are on the first row on the periodic table	0
Non-radioactive metals	740
Non-radioactive metals	778
Are on the first row on the periodic table	0
Non-radioactive metals	683
Are on the first row on the periodic table	1100
Are on the first row on the periodic table	1103

Non-radioactive metals	695
Are on the first row on the periodic table	1080
	700
Are on the first row on the periodic table	1038
Have unfilled f orbitals	0
	688
Are on the first row on the periodic table	988
Valence electrons are in the 4f orbital	600
Valence electrons are in the 4f orbital	775
	0
	0
	0
	0

Which is not true about Actinide metals?	Q8
Are noble gases	1483
Are noble gases	1500
Are noble gases	1500
Are noble gases	1500
Are noble gases	820
Are noble gases	1228
Are noble gases	1098
Are noble gases	848
Some are not found in nature	800
Are noble gases	783
Are noble gases	763
All elements are radioactive	943
Are noble gases	670
Are noble gases	1170
Are noble gases	1280

Are noble gases	0
Are noble gases	1145
Are noble gases	0
Are noble gases	0
Some are not found in nature	563
Are noble gases	0
Are noble gases	0
Are noble gases	0
Are noble gases	885
	0
	0
	0
	0

What is an example of metal's chemical property?	Q9
reacts with acid	1500
reacts with acid	1500
reacts with acid	1500
reacts with acid	1470
reacts with acid	1073
reacts with acid	1213
reacts with acid	1143
reacts with acid	895
reacts with acid	0
reacts with acid	1025
reacts with acid	923
reacts with acid	935
reacts with acid	1038
reacts with acid	0
reacts with acid	0

,	
malleable	785
reacts with acid	0
malleable	958
shiny luster	913
reacts with acid	898
malleable	548
	0
shiny luster	913
reacts with acid	1100
	850
	823
	0
	0

What's the most reactive element?	Q10
Francium	1500
Francium	1500
Francium	1500
Francium	1483
Francium	1038
Francium	1315
Francium	1430
Francium	1190
Chlorine	760
Francium	0
Francium	1220
Francium	1093
Francium	905
	888
Iron	0

Francium	0
Chlorine	888
Francium	948
Francium	0
Francium	990
Francium	1013
	0
Francium	0
	0
	0

The sea of electrons happens because
metals want to give away electrons
metals want to give away protons
metals want to give away electrons
non-metals want to give away electrons

metals want to give away protons
metals want to give away electrons
metals want to give away electrons
non-metals want to give away electrons
metals want to give away electrons
metals want to give away electrons
metals want to give away protons
non-metals want to give away electrons
metals want to give away protons

Block 5 N

1 Quiz

Correct answers

Players correct (

Question duration

Answer Sun

Answer options

Is answer correct

Number of answ

Average time tal

Answer Deta

Players

Alec S

Ashley

Bad driver Witz

Chelsea

Dahlia

Jason

Katie

Liam

Lindsey

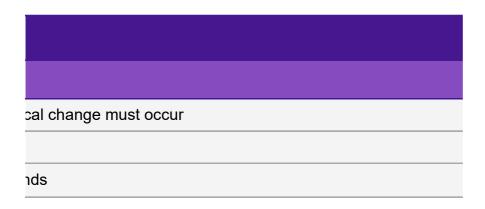
Macon

Max
Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa
harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
trov

letallic Properties	
What must happen for metals to react	t with other atoms?
;	A chemic
(%)	67,86%
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ails	Answer
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	Х
	√ □
	Х
	√ □

1 Quiz

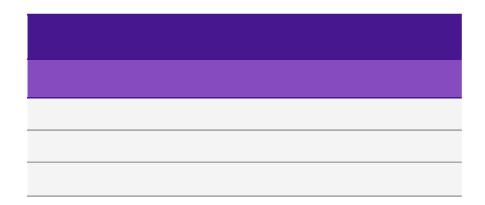
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Х
Х
√ Ω
Х
Х
√ □
√ □
√ □
√ □
Х
√ □
√ □
√ □
√ □
Х
√ □



A chemical change must occur	•
√ □	
19	
7,27	

	Score (p
A chemical change must occur	963
A chemical change must occur	943
	0
A chemical change must occur	983
A physical change must occur	0
A chemical change must occur	913
A chemical change must occur	748
A chemical change must occur	965
A chemical change must occur	650
A chemical change must occur	715

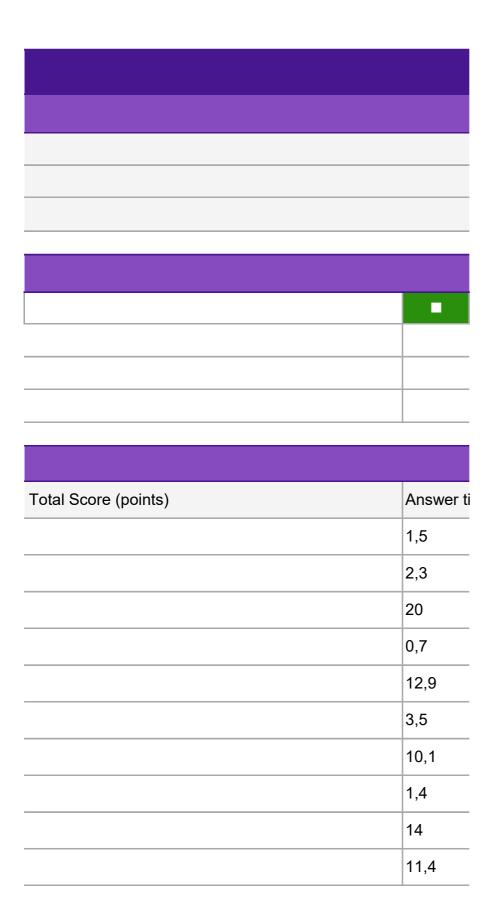
	0
A chemical change must occur	985
	0
A physical change must occur	0
A chemical change must occur	773
	0
A physical change must occur	0
A chemical change must occur	770
A chemical change must occur	753
A chemical change must occur	715
A chemical change must occur	855
A physical change must occur	0
A chemical change must occur	758
A chemical change must occur	785
A chemical change must occur	653
A chemical change must occur	820
A physical change must occur	0
A chemical change must occur	805



A physical change must occur	•
X	
5	
15,54	

oints)	Current
	963
	943
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	983
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	913
	748
	965
	650
	715

0
985
0
0
773
0
0
770
753
715
855
0
758
785
653
820
0
805



20
0,6
0
15,2
9,1
20
12,1
9,2
9,9
11,4
5,8
19,2
9,7
8,6
13,9
7,2
18,3
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Block 5 N

2 Quiz

Correct answers

Players correct (

Question duration

Answer Sun

Answer options

Is answer correct

Number of answ

Average time tal

Answer Deta

Players

Alec S

Ashley

Bad driver Witz

Chelsea

Dahlia

Jason

Katie

Liam

Lindsey

Macon

Max
Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa
harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
trov

letallic Properties What happens to Metallic trend as you move LEFT to Right Elements (%) 32,14% 20 secor on nmary ct? ers received ken to answer (seconds) ails Answer **√**□ X X **√**□ X X X **√**□ **√**□ X

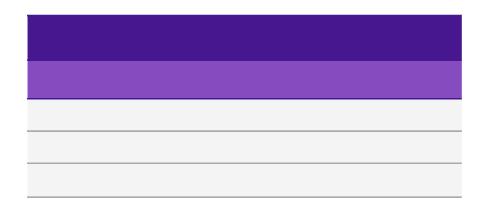
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Х

s become less reactive		
nds		

Elements become more reactive	•
X	
11	
11,29	

	Score (p
Elements become less reactive	1058
Elements become more reactive	0
	0
Elements become less reactive	1080
Elements become more reactive	0
Elements become more reactive	0
	0
Elements become less reactive	1060
Elements become less reactive	730
	0

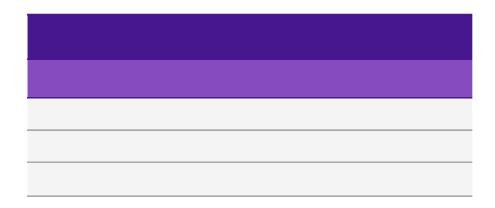
b.	
Elements are equally reactive	0
Elements become less reactive	1053
	0
Elements become more reactive	0
Elements become more reactive	0
	0
Elements become more reactive	0
Elements become less reactive	888
Elements become more reactive	0
Elements become less reactive	833
Elements become less reactive	970
	0
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Elements become more reactive	0
Elements become less reactive	878
Elements become more reactive	0
Elements become more reactive	0
Elements become more reactive	0



Elements become less reactive	•
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points)	Current
	2021
	943
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	2063
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	913
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	2025
	1380
	715

0
2038
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773
0
0
1658
753
1548
1825
0
758
785
1531
820
0
805



Elements have no change	•
X	
0	
0,00	

Total Score (points)	Answer ti
	1,7
	3,2
	20
	0,8
	3,9
	7,5
	20
	1,6
	14,8
	20

8,9
1,9
0
12,5
15,7
20
6,9
8,5
11,2
10,7
5,2
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20
19,2
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19,1
5,3

Elements are equally reactive	
X	
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ime (seconds)	

Block 5 N

3 Quiz

Correct answers

Players correct (

Question duration

Answer Sun

Answer options

Is answer correct

Number of answ

Average time tal

Answer Deta

Players

Alec S

Ashley

Bad driver Witz

Chelsea

Dahlia

Jason

Katie

Liam

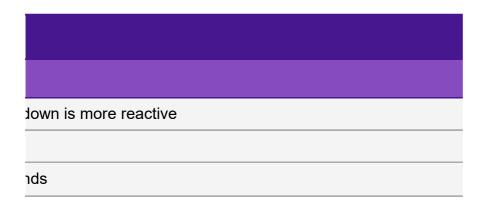
Lindsey

Macon

Max
Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa
harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
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letallic Properties	
How does reactivity change within a g	iven group?
;	Further of
(%)	82,14%
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	√ □
	√ □
	X
	√ □

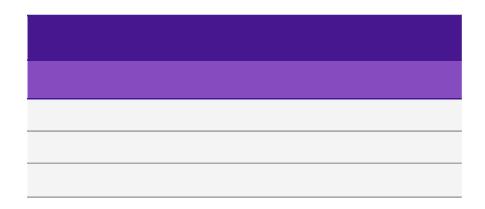
Х
√ ∆
Х
√ □
√ □
Х
√ Ω
√ □



Further down is more reactive	•
√ □	
23	
6,83	

	Score (p
Further down is more reactive	1163
Further down is more reactive	928
	0
Further down is more reactive	1178
Further down is more reactive	950
Further up is more reactive	0
Further down is more reactive	590
Further down is more reactive	1170
Further down is more reactive	890
Further down is more reactive	825

Further up is more reactive	0
Further down is more reactive	1165
	0
Further down is more reactive	755
Further down is more reactive	778
	0
Further down is more reactive	855
Further down is more reactive	1018
Further down is more reactive	855
Further down is more reactive	973
Further down is more reactive	1070
Further down is more reactive	848
Further down is more reactive	793
Further down is more reactive	588
Further down is more reactive	1055
Further down is more reactive	798
Further down is more reactive	788
Further down is more reactive	845



Further up is more reactive	•
X	
2	
6,60	

oints)	Current
	3184
	1871
	0
	3241
	950
	913
	1338
	3195
	2270
	1540

0
3203
0
755
1551
0
855
2676
1608
2521
2895
848
1551
1373
2586
1618
788
1650

	•
Total Score (points)	Answer ti
Total Score (points)	Answer ti
Total Score (points)	
Total Score (points)	1,5
Total Score (points)	1,5 2,9
Total Score (points)	1,5 2,9 20
Total Score (points)	1,5 2,9 20 0,9
Total Score (points)	1,5 2,9 20 0,9 2
Total Score (points)	1,5 2,9 20 0,9 2 6
Total Score (points)	1,5 2,9 20 0,9 2 6 16,4

7,2
1,4
0
9,8
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20
5,8
7,3
5,8
9,1
5,2
6,1
8,3
16,5
5,8
8,1
8,5
6,2

ime (seconds)		
ime (seconds)		

Block 5 N

4 Quiz

Correct answers

Players correct (

Question duration

Answer Sun

Answer options

Is answer correct

Number of answ

Average time tal

Answer Deta

Players

Alec S

Ashley

Bad driver Witz

Chelsea

Dahlia

Jason

Katie

Liam

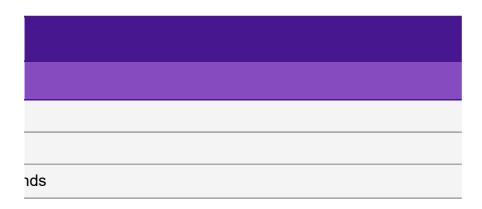
Lindsey

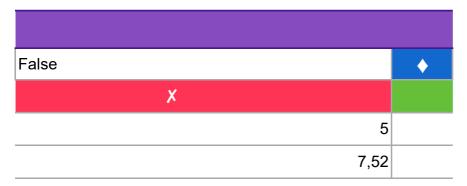
Macon

Max
Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa
harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
troy

letallic Properties	
Alloy is made of two or more non-metallic elements	
;	True
(%)	64,29%
n	20 secor
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ken to answer (seconds)	
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	Answer
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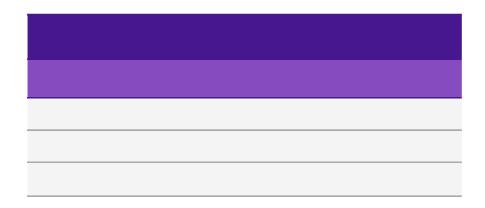
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Х
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Х
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√ □





	Score (p
True	1278
False	0
	0
True	1300
	0
True	820
True	885
True	1300
True	1118
False	0

False	0
True	1278
	0
True	955
True	983
	0
False	0
True	960
	0
True	913
True	1215
True	720
False	0
True	798
True	1088
True	978
True	810
True	805



True			•
	√ □		
		18	
		7,35	

oints)	Current
	4462
	1871
	0
	4541
	950
	1733
	2223
	4495
	3388
	1540

0
4481
0
1710
2534
0
855
3636
1608
3434
4110
1568
1551
2171
3674
2596
1598
2455

Total Score (points)	Answer ti
Total Score (points)	Answer ti
Total Score (points)	
Total Score (points)	0,9
Total Score (points)	
Total Score (points)	9,7
Total Score (points)	0,9
Total Score (points)	0,9 9,7 20
Total Score (points)	9,7
Total Score (points)	0,9 9,7 20 0,1
Total Score (points)	0,9 9,7 20 0,1 20
Total Score (points)	0,9 9,7 20 0,1
Total Score (points)	0,9 9,7 20 0,1 20 7,2
Total Score (points)	0,9 9,7 20 0,1 20
Total Score (points)	0,9 9,7 20 0,1 20 7,2 8,6
Total Score (points)	0,9 9,7 20 0,1 20 7,2
Total Score (points)	0,9 9,7 20 0,1 20 7,2 8,6 0,2
Total Score (points)	0,9 9,7 20 0,1 20 7,2 8,6

4,8
0,9
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5,8
4,7
20
6,7
13,6
20
15,5
3,4
15,2
4,8
12,1
8,5
4,9
11,6
11,8

ima (aganda)		
ime (seconds)		

Block 5 N

5 Quiz

Correct answers

Players correct (

Question duration

Answer Sun

Answer options

Is answer correct

Number of answ

Average time tal

Answer Deta

Players

Alec S

Ashley

Bad driver Witz

Chelsea

Dahlia

Jason

Katie

Liam

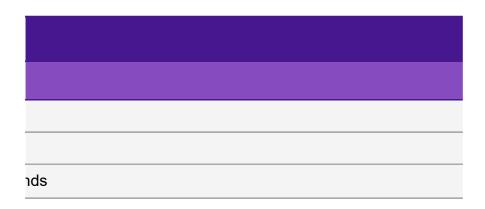
Lindsey

Macon

Max
Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa
harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
trov

letallic Properties	
An example of an alloy is	
;	bronze
(%)	85,71%
n	20 secor
nmary	
	<u> </u>
xt?	
rers received	
ken to answer (seconds)	
- 11 -	
ails	
	Answer
	√ □
	√ □
	×
	√ □
	√ □
	√ □

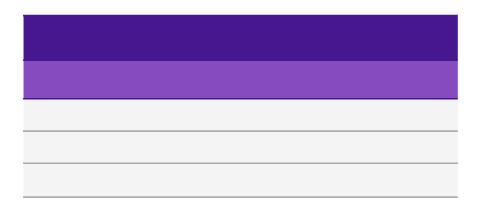
√ Ω
√ □
Х
√ □
√ Ω
Х
√ Ω
√ □
Х
√ □
√ Ω





	Score (p
bronze	1400
bronze	973
	0
bronze	1400
bronze	745
bronze	1038
bronze	938
bronze	1400
bronze	1155
bronze	825

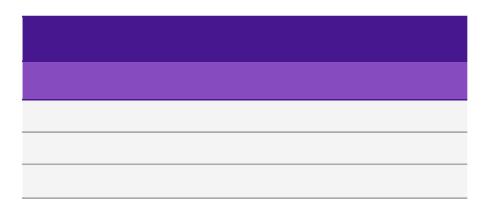
bronze	915
bronze	1400
	0
bronze	1040
bronze	985
	0
bronze	915
bronze	1153
bronze	950
bronze	1103
bronze	1280
bronze	965
bronze	943
bronze	895
bronze	1205
concrete	0
bronze	1118
bronze	1020
	· · · · · · · · · · · · · · · · · · ·





oints)	Current
	5862
	2844
	0
	5941
	1695
	2771
	3161
	5895
	4543
	2365

5881 0 2750 3519 0 1770 4789 2558 4537 5390 2533 2494 3066 4879 2596 2716	915
0 2750 3519 0 1770 4789 2558 4537 5390 2533 2494 3066 4879 2596 2716	
2750 3519 0 1770 4789 2558 4537 5390 2533 2494 3066 4879 2596 2716	 5881
3519 0 1770 4789 2558 4537 5390 2533 2494 3066 4879 2596 2716	0
0 1770 4789 2558 4537 5390 2533 2494 3066 4879 2596	2750
1770 4789 2558 4537 5390 2533 2494 3066 4879 2596	3519
4789 2558 4537 5390 2533 2494 3066 4879 2596 2716	0
2558 4537 5390 2533 2494 3066 4879 2596 2716	1770
4537 5390 2533 2494 3066 4879 2596 2716	4789
5390 2533 2494 3066 4879 2596 2716	2558
2533 2494 3066 4879 2596 2716	4537
2494 3066 4879 2596 2716	5390
3066 4879 2596 2716	2533
4879 2596 2716	2494
2596 2716	3066
2716	4879
	2596
3475	2716
	3475



salt water	
X	
0	
0,00	

Total Score (points)	Answer ti
	0,3
	1,1
	20
	0,4
	10,2
	2,5
	10,5
	0,4
	9,8
	7

3,4
0,3
0
6,4
8,6
20
3,4
9,9
2
11,9
4,8
9,4
2,3
12,2
7,8
7
3,3
7,2

concrete	
^	1
	7,00
ime (seconds)	

Block 5 N

6 Quiz

Correct answers

Players correct (

Question duration

Answer Sun

Answer options

Is answer correct

Number of answ

Average time tal

Answer Deta

Players

Alec S

Ashley

Bad driver Witz

Chelsea

Dahlia

Jason

Katie

Liam

Lindsey

Macon

Max
Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa
harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
trov

letallic Properties	
Which is not true about Lanthanide meta	ls?
;	Are on th
(%)	46,43%
on	20 secon
nmary	
xt?	
ers received	
ken to answer (seconds)	
ails	
	Answer
	√ □
	Х
	Х
	√ □
	Х
	<u>√</u>
	√ □
	√ □
	Х
	√ □

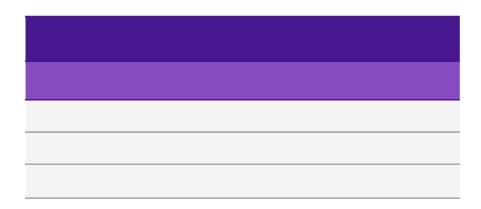
Х
√ □
Х
√ Ω
Х
Х
√ Ω
Х
Х
Х
Х
Х
√ □
√ □
√ □
Х
√ □
Х

ne first row on the periodic table	
nds	

Have unfilled f orbitals	•
X	
1	
19,00	

	Score (p
Are on the first row on the periodic table	1500
	0
	0
Are on the first row on the periodic table	1500
	0
Are on the first row on the periodic table	1033
Are on the first row on the periodic table	830
Are on the first row on the periodic table	1500
Non-radioactive metals	0
Are on the first row on the periodic table	870

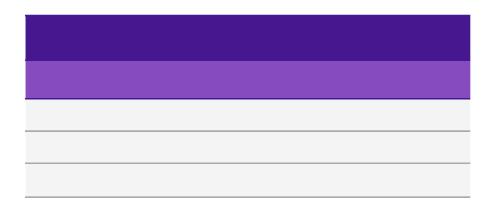
Valence electrons are in the 4f orbital	0
Are on the first row on the periodic table	1500
	0
Are on the first row on the periodic table	968
Non-radioactive metals	0
	0
Are on the first row on the periodic table	763
Non-radioactive metals	0
Valence electrons are in the 4f orbital	0
Non-radioactive metals	0
Non-radioactive metals	0
	0
Are on the first row on the periodic table	953
Are on the first row on the periodic table	923
Are on the first row on the periodic table	1355
Have unfilled f orbitals	0
Are on the first row on the periodic table	835
Non-radioactive metals	0



Valence electrons are in the 4f orbital	•
X	
2	2
10,85	5

oints)	Current
	7362
	2844
	0
	7441
	1695
	3804
	3991
	7395
	4543
	3235
	-

915
7381
0
3718
3519
0
2533
4789
2558
4537
5390
2533
3447
3989
6234
2596
3551
3475



Non-radioactive metals		-
X		
	6	
	10,12	

Total Score (points)	Answer ti
	0,2
	20
	20
	0,2
	20
	6,7
	18,8
	0,4
	8,5
	9,2

13,8
0,2
0
13,3
7,3
20
13,5
13,3
7,9
14,8
7,9
20
5,9
15,1
5,8
19
18,6
8,9

Are on the first row on the periodic table	
√ □	
	13
	8,30
me (seconds)	

Block 5 N

7 Quiz

Correct answers

Players correct (

Question duration

Answer Sun

Answer options

Is answer correct

Number of answ

Average time tal

Answer Deta

Players

Alec S

Ashley

Bad driver Witz

Chelsea

Dahlia

Jason

Katie

Liam

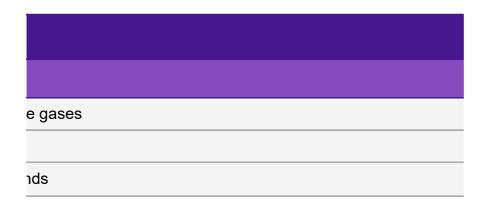
Lindsey

Macon

Max
Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa
harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
trov

Which is not true about Actinide metals? Are noble (%) 75,00% n 20 secon nmary Are received (when to answer (seconds)) ails Answer Answer	letallic Properties		
(%) 75,00% on 20 secon mmary Alt? /ers received ken to answer (seconds) Answer J J J J J J J J J J J J J J J J J J	Which is not true about Actinide metals?		
nmary // // // // // // // // // // // // //	;	Are nobl	
nmary xt? vers received ken to answer (seconds) ails Answer Answer X X X X X	(%)	75,00%	
xf? /ers received ken to answer (seconds) ails Answer Answer X X X X X X Answer X X X X Answer X Answer X Answer Answer Answer Answer Answer Answer Answer Answer	n	20 secor	
xt? vers received ken to answer (seconds) ails Answer Answer XI XI XI XI XI XI XI XI XI X	nmary		
vers received ken to answer (seconds) ails Answer Answer X X X X X X X X X X X X X			
ken to answer (seconds) ails Answer Answer X X X X X X X X X X X X X	pt?		
Answer Answer X X X X X X X X X X X X X	vers received		
Answer Answer Answer Answer Answer Answer Answer Answer	ken to answer (seconds)		
	ails		
X X X X X X X X X A A A A A		Answer	
X X X X X X X X X X X X X X X X X X X		√ □	
✓□ ✓□ ✓□ ✓□ ✓□		√ □	
X X X ✓□ ✓□		X	
x		√ □	
√ □		Х	
√ □		Х	
✓□			
<u>√□</u>			

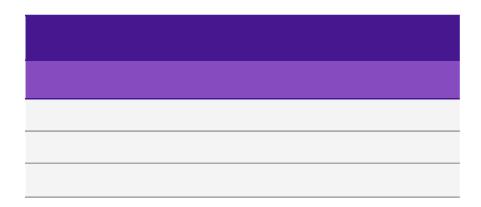
√ ∆
√ □
Х
√ □
√ □
Х
√ □
Х
Х
√ □
√ □



Are noble gases	*
√ □	
21	
8,99	

	Score (p
Are noble gases	1500
Are noble gases	700
	0
Are noble gases	1500
	0
All elements are radioactive	0
Are noble gases	923
Are noble gases	1488
Are noble gases	735
Are noble gases	988

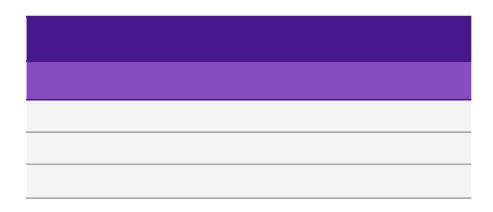
Are noble gases	775
Are noble gases	1500
	0
Are noble gases	1103
Are noble gases	778
	0
Are noble gases	1080
Are noble gases	740
Are noble gases	600
Are noble gases	695
Are noble gases	775
Are noble gases	688
Are noble gases	1038
Are noble gases	1115
Some are not found in nature	0
Some are not found in nature	0
Are noble gases	1100
Are noble gases	683



All elements are radioactive	•
X	
1	
8,00	

oints)	Current
	8862
	3544
	0
	8941
	1695
	3804
	4914
	8883
	5278
	4223

1690
8881
0
4821
4297
0
3613
5529
3158
5232
6165
3221
4485
5104
6234
2596
4651
4158



Some are not found in nature	
X	
2	
14,15	

Total Score (points)	Answer ti
	0,2
	12
	20
	0,3
	20
	8
	19,1
	0,5
	10,6
	8,5

9
 9
0,2
0
11,9
8,9
20
4,8
10,4
16
12,2
9
12,5
6,5
11,4
12,8
15,5
12
12,7

Valence electrons are in the 5f orbital	
Х	
	0
	0,00
ime (seconds)	

Block 5 N

8 Quiz

Correct answers

Players correct (

Question duratic

Answer Sun

Answer options

Is answer correct

Number of answ

Average time tal

Answer Deta

Players

Alec S

Ashley

Bad driver Witz

Chelsea

Dahlia

Jason

Katie

Liam

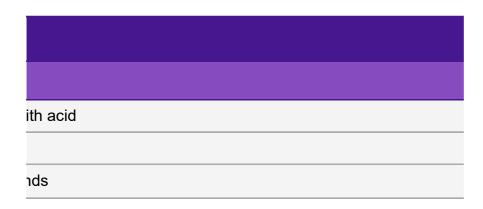
Lindsey

Macon

Max
Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa
harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
trov

letallic Properties	
What is an example of metal's chemical propert	y?
;	reacts w
(%)	64,29%
n	20 secor
	·
nmary	
zt?	
vers received	
ken to answer (seconds)	
ails	
alls	
	Answer
	<u>√</u>
	Х
	X
	√ □
	Х
	√ □
	√ □
	√0
	√□
	X

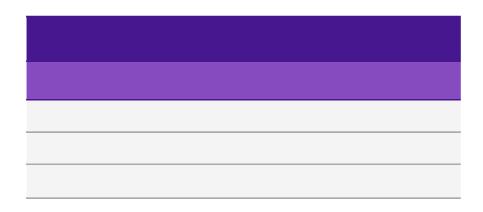
√ □
√ □
Х
√ Ω
√ Ω
Х
√ Ω
√ □
Х
Х
√ □
Х
Х
√ □
√ □
√ □
√ □
√ Ω



malleable	•
X	
3	
12,67	

	Score (p
reacts with acid	1500
malleable	0
	0
reacts with acid	1483
	0
reacts with acid	943
reacts with acid	1098
reacts with acid	1500
reacts with acid	848
	0

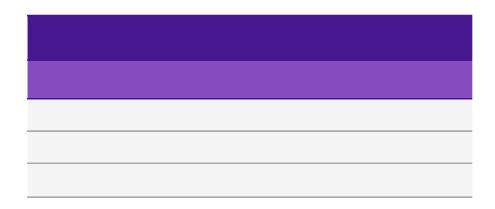
885
1500
0
1280
763
0
1145
783
0
0
820
0
0
1228
800
563
1170
670





oints)	Current
	10362
	3544
	0
	10424
	1695
	4747
	6012
	10383
	6126
	4223

2575
10381
0
6101
5060
0
4758
6312
3158
5232
6985
3221
4485
6332
7034
3159
5821
4828



reacts with acid	•
√ □	
18	
8,78	

Answer ti
0,3
11
20
0,7
20
2,3
16,1
0,4
10,1
20

8,6
0,3
0
8,8
13,5
20
6,2
12,7
17,3
14,6
11,2
12,4
13
10,9
8
17,5
13,2
17,2

good thermal conductor	
Х	
	0
	0,00
me (seconds)	

Block 5 N

9 Quiz

Correct answers

Players correct (

Question duration

Answer Sun

Answer options

Is answer correct

Number of answ

Average time tal

Answer Deta

Players

Alec S

Ashley

Bad driver Witz

Chelsea

Dahlia

Jason

Katie

Liam

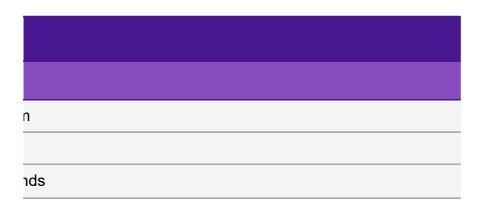
Lindsey

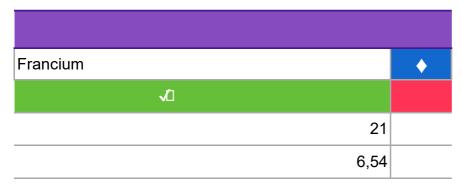
Macon

Max
Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa
harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
trov

letallic Properties	
What's the most reactive element?	
}	Franciun
(%)	75,00%
on	20 secor
nmary	
inter y	<u> </u>
pt?	
ers received	
ken to answer (seconds)	
ails	
	Answer
	√ □
	√ □
	Х
	√ □
	√ □
	√ □
	√□
	√0
	√ □
	X

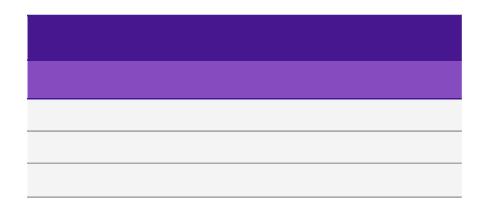
√ □
√ □
√ □
Х
√ □
Х
Х
√ □
Х
√ □
Х
√ □





	Score (p
Francium	1470
Francium	958
	0
Francium	1500
Francium	850
Francium	935
Francium	1143
Francium	1500
Francium	895
	0

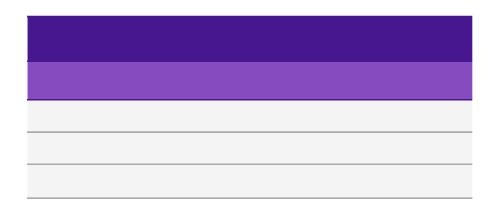
Francium	1100
Francium	1500
Francium	823
Iron	0
Francium	923
	0
Chlorine	0
Francium	1025
Francium	913
Francium	785
Francium	1073
Francium	548
Francium	913
Francium	1213
Chlorine	0
Francium	898
	0
Francium	1038





oints)	Current
	11832
	4502
	0
	11924
	2545
	5682
	7155
	11883
	7021
	4223

3675
11881
823
6101
5983
0
4758
7337
4071
6017
8058
3769
5398
7545
7034
4057
5821
5866



Chlorine	-
Х	
2	
9,95	

Total Score (points)	Answer ti
	1,2
	1,7
	20
	0,4
	6
	6,6
	14,3
	0,4
	12,2
	20

4
0,4
7,1
7,9
11,1
20
12,1
7
3,5
8,6
5,1
18,1
3,5
11,5
7,8
8,1
20
6,5

Iron	
	Х
	1
	7,90
	7,90
me (seconds)	

Block 5 M

10 Quiz

Correct answers

Players correct (

Question duration

Answer Sun

Answer options

Is answer correct

Number of answ

Average time tal

Answer Deta

Players

Alec S

Ashley

Bad driver Witz

Chelsea

Dahlia

Jason

Katie

Liam

Lindsey

Macon

Max
Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa
harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
troy

(%) 60,71%	letallic Properties	
(%) 60,71% 20 secon mary It? // rers received ken to answer (seconds) Answer It I	The sea of electrons happens because	
nmary t? //ers received /ken to answer (seconds) ails Answer	;	metals v
nmary It? vers received ken to answer (seconds) ails Answer	(%)	60,71%
xt? vers received ken to answer (seconds) Answer Answer X X X X X X X X X X X X X	n	20 secor
xi? xers received ken to answer (seconds) Answer Answer X A A A A A A A A A A A A	nmary	
vers received ken to answer (seconds) ails Answer A		A
ken to answer (seconds) ails Answer Answer X X X Answer X Answer X Answer X Answer X Answer An	pt?	
Answer Answer	rers received	
Answer Answer Answer Answer Answer Answer Answer Answer	ken to answer (seconds)	
	ails	
X X X X A A A A A A A A A A A A A A A		Answer
X X X A A A A A A A A A A A A A A A A		√□
		√ □
X 10 10 10 10 10 10 10 10 10 1		Х
		√1
		Х
<u>√</u>		√ □
<u>√</u>		
√ □		

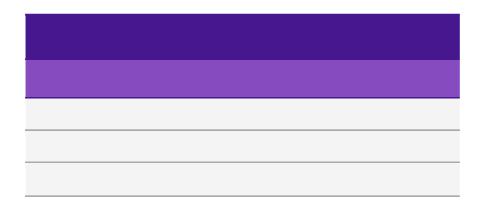
X
√ □
Х
X
√ □
Х
√ ∆
Х
Х
Х
√ 0
√ Ω
Х
√ □
√ Ω
√ □
√ □
√ □

vant to give away electrons		
nds		

metals want to give away electrons	*
√ □	
17	
5,10	

	Score (p
metals want to give away electrons	1483
metals want to give away electrons	948
	0
metals want to give away electrons	1500
metals want to give away protons	0
metals want to give away electrons	1093
metals want to give away electrons	1430
metals want to give away electrons	1500
metals want to give away electrons	1190
	0

non-metals want to give away electrons	0
metals want to give away electrons	1500
	0
non-metals want to give away electrons	0
metals want to give away electrons	1220
	0
metals want to give away electrons	888
metals want to give away protons	0
metals want to give away protons	0
metals want to give away protons	0
metals want to give away electrons	1038
metals want to give away electrons	1013
non-metals want to give away electrons	0
metals want to give away electrons	1315
metals want to give away electrons	760
metals want to give away electrons	990
metals want to give away electrons	888
metals want to give away electrons	905

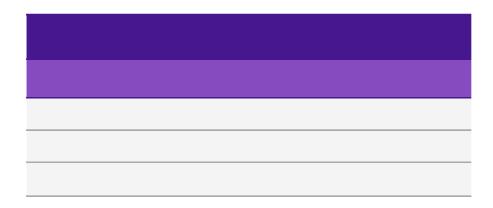


metals want to give away protons	•
X	
4	
9,20	

oints)	Current
	13315
	5450
	0
	13424
	2545
	6775
	8585
	13383
	8211
	4223
	

10 Quiz

3675
13381
823
6101
7203
0
5646
7337
4071
6017
9096
4782
5398
8860
7794
5047
6709
6771



non-metals want to give away electrons		
X		
	3	
8	,97	

	Answer ti
	0,7
	6,1
'	20
	0,3
	17,5
	4,3
	2,8
	0,4
	4,4
	20

10 Quiz

5,1
0,3
20
13,8
3,2
20
4,5
0,2
17
2,1
10,5
3,5
8
7,4
9,6
8,4
4,5
15,8

non-metals want to give away protons	
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What is an example of metal's chemical property?	Which is not true about Actinide metals?
What is an example of metal's chemical property?	Which is not true about Actinide metals?
What is an example of metal's chemical property?	What is an example of metal's chemical property?
What is an example of metal's chemical property?	What is an example of metal's chemical property?
What is an example of metal's chemical property?	What is an example of metal's chemical property?
What is an example of metal's chemical property?	What is an example of metal's chemical property?
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What is an example of metal's chemical property?	What is an example of metal's chemical property?
What is an example of metal's chemical property?	What is an example of metal's chemical property?
What is an example of metal's chemical property?	What is an example of metal's chemical property?
What is an example of metal's chemical property?	What is an example of metal's chemical property?
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What is an example of metal's chemical property? What is an example of metal's chemical property? What is an example of metal's chemical property?	What is an example of metal's chemical property?
What is an example of metal's chemical property? What is an example of metal's chemical property?	What is an example of metal's chemical property?
What is an example of metal's chemical property?	What is an example of metal's chemical property?
	What is an example of metal's chemical property?
What is an example of metal's chemical property?	What is an example of metal's chemical property?
	What is an example of metal's chemical property?

What is an example of metal's chemical property?
What's the most reactive element?

What's the most reactive element?
What's the most reactive element?
The sea of electrons happens because
The sea of electrons happens because
The sea of electrons happens because

The sea of electrons happens because
The sea of electrons happens because

The sea of electrons happens because
The sea of electrons happens because

Answer 1	Answer 2
A chemical change must occur	A physical change must occur
A chemical change must occur	A physical change must occur
A chemical change must occur	A physical change must occur
A chemical change must occur	A physical change must occur
A chemical change must occur	A physical change must occur
A chemical change must occur	A physical change must occur
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A chemical change must occur	A physical change must occur
A chemical change must occur	A physical change must occur
A chemical change must occur	A physical change must occur
A chemical change must occur	A physical change must occur
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive

Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive

Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Elements become more reactive	Elements become less reactive
Further down is more reactive	Further up is more reactive
Further down is more reactive	Further up is more reactive
Further down is more reactive	Further up is more reactive
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Further down is more reactive	Further up is more reactive
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Further down is more reactive	Further up is more reactive
Further down is more reactive	Further up is more reactive
Further down is more reactive	Further up is more reactive
Further down is more reactive	Further up is more reactive

Further down is more reactive	Further up is more reactive
Further down is more reactive	Further up is more reactive
Further down is more reactive	Further up is more reactive
Further down is more reactive	Further up is more reactive
Further down is more reactive	Further up is more reactive
False	True

False	True
False	True

False	True
sodium chloride	bronze

	1
sodium chloride	bronze
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital

Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital

Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Have unfilled f orbitals	Valence electrons are in the 4f orbital
Are noble gases	All elements are radioactive
Are noble gases	All elements are radioactive
Are noble gases	All elements are radioactive
Are noble gases	All elements are radioactive
Are noble gases	All elements are radioactive
Are noble gases	All elements are radioactive
Are noble gases	All elements are radioactive

Are noble gases	All elements are radioactive
Are noble gases	All elements are radioactive
Are noble gases	All elements are radioactive
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Are noble gases	All elements are radioactive

Are noble gases	All elements are radioactive
Are noble gases	All elements are radioactive
Are noble gases	All elements are radioactive
Are noble gases	All elements are radioactive
Are noble gases	All elements are radioactive
malleable	shiny luster

malleable	shiny luster
malleable	shiny luster

malleable	shiny luster
Francium	Neon

Francium	Neon
Francium	Neon
metals want to give away electrons	metals want to give away protons
metals want to give away electrons	metals want to give away protons
metals want to give away electrons	metals want to give away protons

metals want to give away protons
metals want to give away protons

metals want to give away electrons	metals want to give away protons
metals want to give away electrons	metals want to give away protons
metals want to give away electrons	metals want to give away protons
metals want to give away electrons	metals want to give away protons
metals want to give away electrons	metals want to give away protons
metals want to give away electrons	metals want to give away protons
metals want to give away electrons	metals want to give away protons
metals want to give away electrons	metals want to give away protons
metals want to give away electrons	metals want to give away protons

Answer 3	Answer 4
	ı

Elements have no change	Elements are equally reactive
Elements have no change	Elements are equally reactive
Elements have no change	Elements are equally reactive

Elements are equally reactive
Elements are equally reactive

Elements have no change	Elements are equally reactive
Elements have no change	Elements are equally reactive
Elements have no change	Elements are equally reactive
Elements have no change	Elements are equally reactive
Elements have no change	Elements are equally reactive
Elements have no change	Elements are equally reactive
Elements have no change	Elements are equally reactive
Elements have no change	Elements are equally reactive
Elements have no change	Elements are equally reactive

salt water	concrete
salt water	concrete

concrete
concrete
Are on the first row on the periodic table
Are on the first row on the periodic table
Are on the first row on the periodic table

Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
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Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table

Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
Non-radioactive metals	Are on the first row on the periodic table
Some are not found in nature	Valence electrons are in the 5f orbital
Some are not found in nature	Valence electrons are in the 5f orbital
Some are not found in nature	Valence electrons are in the 5f orbital
Some are not found in nature	Valence electrons are in the 5f orbital
Some are not found in nature	Valence electrons are in the 5f orbital
Some are not found in nature	Valence electrons are in the 5f orbital
Some are not found in nature	Valence electrons are in the 5f orbital

Some are not found in nature	Valence electrons are in the 5f orbital
Some are not found in nature	Valence electrons are in the 5f orbital
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Some are not found in nature	Valence electrons are in the 5f orbital
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Some are not found in nature	Valence electrons are in the 5f orbital
Some are not found in nature	Valence electrons are in the 5f orbital
Some are not found in nature	Valence electrons are in the 5f orbital

Some are not found in nature	Valence electrons are in the 5f orbital
Some are not found in nature	Valence electrons are in the 5f orbital
Some are not found in nature	Valence electrons are in the 5f orbital
Some are not found in nature	Valence electrons are in the 5f orbital
Some are not found in nature	Valence electrons are in the 5f orbital
reacts with acid	good thermal conductor
reacts with acid	good thermal conductor
reacts with acid	good thermal conductor
reacts with acid	good thermal conductor
reacts with acid	good thermal conductor
reacts with acid	good thermal conductor
reacts with acid	good thermal conductor
reacts with acid	good thermal conductor
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reacts with acid	good thermal conductor
reacts with acid	good thermal conductor

reacts with acid good thermal conductor		
reacts with acid good thermal conductor	reacts with acid	good thermal conductor
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reacts with acid good thermal conductor	reacts with acid	good thermal conductor
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reacts with acid good thermal conductor	reacts with acid	good thermal conductor
reacts with acid good thermal conductor	reacts with acid	good thermal conductor
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reacts with acid good thermal conductor good thermal conductor reacts with acid good thermal conductor good thermal conductor good thermal conductor good thermal conductor	reacts with acid	good thermal conductor
reacts with acid good thermal conductor good thermal conductor good thermal conductor good thermal conductor	reacts with acid	good thermal conductor
reacts with acid good thermal conductor reacts with acid good thermal conductor	reacts with acid	good thermal conductor
reacts with acid good thermal conductor	reacts with acid	good thermal conductor
	reacts with acid	good thermal conductor
reacts with acid good thermal conductor	reacts with acid	good thermal conductor
	reacts with acid	good thermal conductor

reacts with acid	good thermal conductor
Chlorine	Iron

Chlorine	Iron
Chlorine	Iron
non-metals want to give away electrons	non-metals want to give away protons
non-metals want to give away electrons	non-metals want to give away protons
non-metals want to give away electrons	non-metals want to give away protons

non-metals want to give away electrons	non-metals want to give away protons
non-metals want to give away electrons	non-metals want to give away protons
non-metals want to give away electrons	non-metals want to give away protons
non-metals want to give away electrons	non-metals want to give away protons
non-metals want to give away electrons	non-metals want to give away protons
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non-metals want to give away electrons	non-metals want to give away protons
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non-metals want to give away electrons	non-metals want to give away protons
non-metals want to give away electrons	non-metals want to give away protons

non-metals want to give away electrons non-metals want to give away protons non-metals want to give away electrons non-metals want to give away protons non-metals want to give away protons		
non-metals want to give away electrons non-metals want to give away protons	non-metals want to give away electrons	non-metals want to give away protons
non-metals want to give away electrons non-metals want to give away protons	non-metals want to give away electrons	non-metals want to give away protons
non-metals want to give away electrons non-metals want to give away electrons non-metals want to give away protons non-metals want to give away electrons non-metals want to give away protons	non-metals want to give away electrons	non-metals want to give away protons
non-metals want to give away electrons non-metals want to give away protons	non-metals want to give away electrons	non-metals want to give away protons
non-metals want to give away electrons non-metals want to give away protons non-metals want to give away protons non-metals want to give away protons	non-metals want to give away electrons	non-metals want to give away protons
non-metals want to give away electrons non-metals want to give away protons	non-metals want to give away electrons	non-metals want to give away protons
	non-metals want to give away electrons	non-metals want to give away protons
non-metals want to give away electrons non-metals want to give away protons	non-metals want to give away electrons	non-metals want to give away protons
	non-metals want to give away electrons	non-metals want to give away protons

Correct Answers	Time Allotted to Answer (seconds)
A chemical change must occur	20
A chemical change must occur	20
A chemical change must occur	20
A chemical change must occur	20
A chemical change must occur	20
A chemical change must occur	20
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A chemical change must occur	20
A chemical change must occur	20
Elements become less reactive	20
Elements become less reactive	20
Elements become less reactive	20

Elements become less reactive	20
Elements become less reactive	20

Elements become less reactive	20
Elements become less reactive	20
Further down is more reactive	20
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Further down is more reactive	20
Further down is more reactive	20

Further down is more reactive	20
Further down is more reactive	20
Further down is more reactive	20
Further down is more reactive	20
Further down is more reactive	20
True	20

True	20
True	20

True	20
bronze	20

bronze	20
bronze	20
Are on the first row on the periodic table	20
Are on the first row on the periodic table	20
Are on the first row on the periodic table	20

Are on the first row on the periodic table	20
Are on the first row on the periodic table	20
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Are on the first row on the periodic table	20
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Are on the first row on the periodic table	20
Are noble gases	20

Are noble gases	20
Are noble gases	20

Are noble gases 20 reacts with acid 20		
Are noble gases 20 Are noble gases 20 Are noble gases 20 reacts with acid 20	Are noble gases	20
Are noble gases 20 Are noble gases 20 reacts with acid 20	Are noble gases	20
Are noble gases 20 reacts with acid 20	Are noble gases	20
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reacts with acid 20 reacts with acid 20	reacts with acid	20
reacts with acid 20	reacts with acid	20
	reacts with acid	20
reacts with acid 20	reacts with acid	20
	reacts with acid	20

20
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20
20
20
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20
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20

reacts with acid	20
Francium	20

Francium	20
Francium	20
metals want to give away electrons	20
metals want to give away electrons	20
metals want to give away electrons	20

metals want to give away electrons	20
metals want to give away electrons	20
metals want to give away electrons	20
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metals want to give away electrons	20

Players
Alec S
Ashley
Bad driver Witz
Chelsea
Dahlia
Jason
Katie
Liam
Lindsey
Macon
Max
Michael
Mscon
Owen
Shane

WittyGator32
ben dover
david
ginaaa
harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
troy
Alec S
Ashley
Bad driver Witz

Chelsea
Dahlia
Jason
Katie
Liam
Lindsey
Macon
Max
Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa

harrry bunt
java.util.scann
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maddie
mckenna
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rhys oiecec
sydney
troy
Alec S
Ashley
Bad driver Witz
Chelsea
Dahlia
Jason
Katie

Liam
Lindsey
Macon
Max
Michael
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rhys oiecec
sydney
troy
Alec S
Ashley
Bad driver Witz
Chelsea
Dahlia
Jason
Katie
Liam
Lindsey
Macon
Max

Michael
Mscon
Owen
Shane
WittyGator32
ben dover
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julia
maddie
mckenna
ok boomer
rhys oiecec
sydney

troy
Alec S
Ashley
Bad driver Witz
Chelsea
Dahlia
Jason
Katie
Liam
Lindsey
Macon
Max
Michael
Mscon
Owen
Shane

WittyGator32
ben dover
david
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mckenna
ok boomer
rhys oiecec
sydney
troy
Alec S
Ashley
Bad driver Witz

Chelsea
Dahlia
Jason
Katie
Liam
Lindsey
Macon
Max
Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa

harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
troy
Alec S
Ashley
Bad driver Witz
Chelsea
Dahlia
Jason
Katie

Liam
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Lindsey
Macon
Max
Michael
Mscon
Owen
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WittyGator32
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mckenna
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rhys oiecec
sydney
troy
Alec S
Ashley
Bad driver Witz
Chelsea
Dahlia
Jason
Katie
Liam
Lindsey
Macon
Max

Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa
harrry bunt
java.util.scann
julia
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rhys oiecec
sydney

troy
Alec S
Ashley
Bad driver Witz
Chelsea
Dahlia
Jason
Katie
Liam
Lindsey
Macon
Max
Michael
Mscon
Owen
Shane

WittyGator32
ben dover
david
ginaaa
harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
troy
Alec S
Ashley
Bad driver Witz

Chelsea
Dahlia
Jason
Katie
Liam
Lindsey
Macon
Max
Michael
Mscon
Owen
Shane
WittyGator32
ben dover
david
ginaaa

harrry bunt
java.util.scann
julia
maddie
mckenna
ok boomer
rhys oiecec
sydney
troy

Answer	Correct / Incorrect	Correct
A chemical change must occur	Correct	1
A chemical change must occur	Correct	1
	Incorrect	0
A chemical change must occur	Correct	1
A physical change must occur	Incorrect	0
A chemical change must occur	Correct	1
A chemical change must occur	Correct	1
A chemical change must occur	Correct	1
A chemical change must occur	Correct	1
A chemical change must occur	Correct	1
	Incorrect	0
A chemical change must occur	Correct	1
	Incorrect	0
A physical change must occur	Incorrect	0
A chemical change must occur	Correct	1

	Incorrect	0
A physical change must occur	Incorrect	0
A chemical change must occur	Correct	1
A chemical change must occur	Correct	1
A chemical change must occur	Correct	1
A chemical change must occur	Correct	1
A physical change must occur	Incorrect	0
A chemical change must occur	Correct	1
A chemical change must occur	Correct	1
A chemical change must occur	Correct	1
A chemical change must occur	Correct	1
A physical change must occur	Incorrect	0
A chemical change must occur	Correct	1
Elements become less reactive	Correct	1
Elements become more reactive	Incorrect	0
	Incorrect	0

Elements become less reactive	Correct	1
Elements become more reactive	Incorrect	0
Elements become more reactive	Incorrect	0
	Incorrect	0
Elements become less reactive	Correct	1
Elements become less reactive	Correct	1
	Incorrect	0
Elements are equally reactive	Incorrect	0
Elements become less reactive	Correct	1
	Incorrect	0
Elements become more reactive	Incorrect	0
Elements become more reactive	Incorrect	0
	Incorrect	0
Elements become more reactive	Incorrect	0
Elements become less reactive	Correct	1
Elements become more reactive	Incorrect	0
	*	

ja .		
Elements become less reactive	Correct	1
Elements become less reactive	Correct	1
	Incorrect	0
	Incorrect	0
Elements become more reactive	Incorrect	0
Elements become less reactive	Correct	1
Elements become more reactive	Incorrect	0
Elements become more reactive	Incorrect	0
Elements become more reactive	Incorrect	0
Further down is more reactive	Correct	1
Further down is more reactive	Correct	1
	Incorrect	0
Further down is more reactive	Correct	1
Further down is more reactive	Correct	1
Further up is more reactive	Incorrect	0
Further down is more reactive	Correct	1

Further down is more reactive	Correct	1
Further down is more reactive	Correct	1
Further down is more reactive	Correct	1
Further up is more reactive	Incorrect	0
Further down is more reactive	Correct	1
	Incorrect	0
Further down is more reactive	Correct	1
Further down is more reactive	Correct	1
	Incorrect	0
Further down is more reactive	Correct	1
Further down is more reactive	Correct	1
Further down is more reactive	Correct	1
Further down is more reactive	Correct	1
Further down is more reactive	Correct	1
Further down is more reactive	Correct	1
Further down is more reactive	Correct	1

Correct	1
Correct	1
Incorrect	0
Incorrect	0
Correct	1
Incorrect	0
Correct	1
Incorrect	0
Incorrect	0
	Correct Correct Correct Correct Incorrect Incorrect Correct Correct Correct Correct Correct Correct Correct Correct Correct

True	Correct	1
	Incorrect	0
True	Correct	1
True	Correct	1
	Incorrect	0
False	Incorrect	0
True	Correct	1
	Incorrect	0
True	Correct	1
True	Correct	1
True	Correct	1
False	Incorrect	0
True	Correct	1

True	Correct	1
	Concor	
bronze	Correct	1
bronze	Correct	1
	Incorrect	0
bronze	Correct	1
	Incorrect	0
bronze	Correct	1
bronze	Correct	1

	Incorrect	0
bronze	Correct	1
concrete	Incorrect	0
bronze	Correct	1
bronze	Correct	1
Are on the first row on the periodic table	Correct	1
	Incorrect	0
	Incorrect	0

Correct	1
Incorrect	0
Correct	1
Correct	1
Correct	1
Incorrect	0
Correct	1
Incorrect	0
Correct	1
Incorrect	0
Correct	1
Incorrect	0
Incorrect	0
Correct	1
Incorrect	0
Incorrect	0
	Incorrect Correct Correct Incorrect Incorrect Incorrect Correct Incorrect Incorrect Correct Incorrect Correct Incorrect Incorrect Incorrect Incorrect Incorrect

Non-radioactive metals	Incorrect	0
Non-radioactive metals	Incorrect	0
	Incorrect	0
Are on the first row on the periodic table	Correct	1
Are on the first row on the periodic table	Correct	1
Are on the first row on the periodic table	Correct	1
Have unfilled f orbitals	Incorrect	0
Are on the first row on the periodic table	Correct	1
Non-radioactive metals	Incorrect	0
Are noble gases	Correct	1
Are noble gases	Correct	1
	Incorrect	0
Are noble gases	Correct	1
	Incorrect	0
All elements are radioactive	Incorrect	0
Are noble gases	Correct	1
		

Correct	1
Correct	1
Incorrect	0
Correct	1
Correct	1
Incorrect	0
Correct	1
	Correct Correct Incorrect Correct

Are noble gases	Correct	1
Some are not found in nature	Incorrect	0
Some are not found in nature	Incorrect	0
Are noble gases	Correct	1
Are noble gases	Correct	1
reacts with acid	Correct	1
malleable	Incorrect	0
	Incorrect	0
reacts with acid	Correct	1
	Incorrect	0
reacts with acid	Correct	1
reacts with acid	Correct	1
reacts with acid	Correct	1
reacts with acid	Correct	1
	Incorrect	0
reacts with acid	Correct	1
		

reacts with acid	Correct	1
	Incorrect	0
reacts with acid	Correct	1
reacts with acid	Correct	1
	Incorrect	0
reacts with acid	Correct	1
reacts with acid	Correct	1
shiny luster	Incorrect	0
malleable	Incorrect	0
reacts with acid	Correct	1
malleable	Incorrect	0
shiny luster	Incorrect	0
reacts with acid	Correct	1
reacts with acid	Correct	1
reacts with acid	Correct	1
reacts with acid	Correct	1

reacts with acid	Correct	1
Francium	Correct	1
Francium	Correct	1
	Incorrect	0
Francium	Correct	1
	Incorrect	0
Francium	Correct	1
Francium	Correct	1
Francium	Correct	1
Iron	Incorrect	0
Francium	Correct	1

	Incorrect	0
Chlorine	Incorrect	0
Francium	Correct	1
Chlorine	Incorrect	0
Francium	Correct	1
	Incorrect	0
Francium	Correct	1
metals want to give away electrons	Correct	1
metals want to give away electrons	Correct	1
	Incorrect	0

metals want to give away electrons	Correct	1
metals want to give away protons	Incorrect	0
metals want to give away electrons	Correct	1
metals want to give away electrons	Correct	1
metals want to give away electrons	Correct	1
metals want to give away electrons	Correct	1
	Incorrect	0
non-metals want to give away electrons	Incorrect	0
metals want to give away electrons	Correct	1
	Incorrect	0
non-metals want to give away electrons	Incorrect	0
metals want to give away electrons	Correct	1
	Incorrect	0
metals want to give away electrons	Correct	1
metals want to give away protons	Incorrect	0
metals want to give away protons	Incorrect	0

Incorrect	0
Correct	1
Correct	1
Incorrect	0
Correct	1
	Correct Incorrect Correct Correct Correct Correct

Incorrect	Score (points)	Score without Answer Streak Bonus (points)
0	963	963
0	943	943
1	0	0
0	983	983
1	0	0
0	913	913
0	748	748
0	965	965
0	650	650
0	715	715
1	0	0
0	985	985
1	0	0
1	0	0
0	773	773

0	0	1
0	0	1
770	770	0
753	753	0
715	715	0
855	855	0
0	0	1
758	758	0
785	785	0
653	653	0
820	820	0
0	0	1
805	805	0
958	1058	0
0	0	1
0	0	1

0	1080	980
1	0	0
1	0	0
1	0	0
0	1060	960
0	730	630
1	0	0
1	0	0
0	1053	953
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
0	888	788
1	0	0

0	833	733
0	970	870
1	0	0
1	0	0
1	0	0
0	878	778
1	0	0
1	0	0
1	0	0
0	1163	963
0	928	928
1	0	0
0	1178	978
0	950	950
1	0	0
0	590	590

0	1170	970
0	890	690
0	825	825
1	0	0
0	1165	965
1	0	0
0	755	755
0	778	778
1	0	0
0	855	855
0	1018	818
0	855	855
0	973	773
0	1070	870
0	848	848
0	793	793

588	588	0
855	1055	0
798	798	0
788	788	0
845	845	0
978	1278	0
0	0	1
0	0	1
1000	1300	0
0	0	1
820	820	0
785	885	0
1000	1300	0
818	1118	0
0	0	1
0	0	1

978	1278	0
0	0	1
855	955	0
883	983	0
0	0	1
0	0	1
660	960	0
0	0	1
613	913	0
915	1215	0
620	720	0
0	0	1
698	798	0
788	1088	0
878	978	0
710	810	0

705	805	0
1000	1400	0
973	973	0
0	0	1
1000	1400	0
745	745	0
938	1038	0
738	938	0
1000	1400	0
755	1155	0
825	825	0
915	915	0
1000	1400	0
0	0	1
840	1040	0
785	985	0

1	0	0
0	915	915
0	1153	753
0	950	950
0	1103	703
0	1280	880
0	965	765
0	943	943
0	895	695
0	1205	805
1	0	0
0	1118	918
0	1020	820
0	1500	1000
1	0	0
1	0	0

1000	1500	0
0	0	1
833	1033	0
530	830	0
1000	1500	0
0	0	1
770	870	0
0	0	1
1000	1500	0
0	0	1
668	968	0
0	0	1
0	0	1
663	763	0
0	0	1
0	0	1

0	0	1
0	0	1
0	0	1
853	953	0
623	923	0
855	1355	0
0	0	1
535	835	0
0	0	1
1000	1500	0
700	700	0
0	0	1
1000	1500	0
0	0	1
0	0	1
523	923	0

0	1488	988
0	735	735
0	988	788
0	775	775
0	1500	1000
1	0	0
0	1103	703
0	778	778
1	0	0
0	1080	880
0	740	740
0	600	600
0	695	695
0	775	775
0	688	688
0	1038	838

715	1115	0
0	0	1
0	0	1
700	1100	0
683	683	0
1000	1500	0
0	0	1
0	0	1
983	1483	0
0	0	1
943	943	0
598	1098	0
1000	1500	0
748	848	0
0	0	1
785	885	0

1000	1500	0
0	0	1
780	1280	0
663	763	0
0	0	1
845	1145	0
683	783	0
0	0	1
0	0	1
720	820	0
0	0	1
0	0	1
728	1228	0
800	800	0
563	563	0
670	1170	0

570	670	0
970	1470	0
958	958	0
0	0	1
1000	1500	0
850	850	0
835	935	0
643	1143	0
1000	1500	0
695	895	0
0	0	1
900	1100	0
1000	1500	0
823	823	0
0	0	1
723	923	0

1	0	0
1	0	0
0	1025	825
0	913	913
0	785	785
0	1073	873
0	548	548
0	913	913
0	1213	713
1	0	0
0	898	798
1	0	0
0	1038	838
0	1483	983
0	948	848
1	0	0

1000	1500	0
0	0	1
893	1093	0
930	1430	0
1000	1500	0
890	1190	0
0	0	1
0	0	1
1000	1500	0
0	0	1
0	0	1
920	1220	0
0	0	1
888	888	0
0	0	1
0	0	1

1	0	0
0	1038	738
0	1013	913
1	0	0
0	1315	815
0	760	760
0	990	790
0	888	888
0	905	605

Current Total Score (points)	Answer Time (%)
963	7.50%
943	11.50%
0	100.00%
983	3.50%
0	64.50%
913	17.50%
748	50.50%
965	7.00%
650	70.00%
715	57.00%
0	100.00%
985	3.00%
0	0.00%
0	76.00%
773	45.50%

0	100.00%
0	60.50%
770	46.00%
753	49.50%
715	57.00%
855	29.00%
0	96.00%
758	48.50%
785	43.00%
653	69.50%
820	36.00%
0	91.50%
805	39.00%
2021	8.50%
943	16.00%
0	100.00%

2063	4.00%
0	19.50%
913	37.50%
748	100.00%
2025	8.00%
1380	74.00%
715	100.00%
0	44.50%
2038	9.50%
0	0.00%
0	62.50%
773	78.50%
0	100.00%
0	34.50%
1658	42.50%
753	56.00%

1548	53.50%
1825	26.00%
0	100.00%
758	100.00%
785	96.00%
1531	44.50%
820	98.50%
0	95.50%
805	26.50%
3184	7.50%
1871	14.50%
0	100.00%
3241	4.50%
950	10.00%
913	30.00%
1338	82.00%

3195	6.00%
2270	62.00%
1540	35.00%
0	36.00%
3203	7.00%
0	0.00%
755	49.00%
1551	44.50%
0	100.00%
855	29.00%
2676	36.50%
1608	29.00%
2521	45.50%
2895	26.00%
848	30.50%
1551	41.50%

1373 82.50%	1373
2586 29.00%	2586
1618 40.50%	1618
788 42.50%	788
1650 31.00%	1650
4462 4.50%	4462
1871 48.50%	1871
0 100.00%	0
4541 0.50%	4541
950 100.00%	950
1733 36.00%	1733
2223 43.00%	2223
4495 1.00%	4495
3388 36.50%	3388
1540 58.00%	1540
0 24.00%	0

4481	4.50%
0	0.00%
1710	29.00%
2534	23.50%
0	100.00%
855	33.50%
3636	68.00%
1608	100.00%
3434	77.50%
4110	17.00%
1568	76.00%
1551	24.00%
2171	60.50%
3674	42.50%
2596	24.50%
1598	58.00%

2455 59.00%	2455
5862 1.50%	5862
2844 5.50%	2844
0 100.00%	0
5941 2.00%	5941
1695 51.00%	1695
2771 12.50%	2771
3161 52.50%	3161
5895 2.00%	5895
4543 49.00%	4543
2365 35.00%	2365
915 17.00%	915
5881 1.50%	5881
0.00%	0
2750 32.00%	2750
3519 43.00%	3519

0	100.00%
1770	17.00%
4789	49.50%
2558	10.00%
4537	59.50%
5390	24.00%
2533	47.00%
2494	11.50%
3066	61.00%
4879	39.00%
2596	35.00%
2716	16.50%
3475	36.00%
7362	1.00%
2844	100.00%
0	100.00%

7441	1.00%
1695	100.00%
3804	33.50%
3991	94.00%
7395	2.00%
4543	42.50%
3235	46.00%
915	69.00%
7381	1.00%
0	0.00%
3718	66.50%
3519	36.50%
0	100.00%
2533	67.50%
4789	66.50%
2558	39.50%

4537	74.00%
5390	39.50%
2533	100.00%
3447	29.50%
3989	75.50%
6234	29.00%
2596	95.00%
3551	93.00%
3475	44.50%
8862	1.00%
3544	60.00%
0	100.00%
8941	1.50%
1695	100.00%
3804	40.00%
4914	95.50%

2.50%
53.00%
42.50%
45.00%
1.00%
0.00%
59.50%
44.50%
100.00%
24.00%
52.00%
52.00%
52.00% 80.00%
52.00% 80.00% 61.00%

5104	57.00%
6234	64.00%
2596	77.50%
4651	60.00%
4158	63.50%
10362	1.50%
3544	55.00%
0	100.00%
10424	3.50%
1695	100.00%
4747	11.50%
6012	80.50%
10383	2.00%
6126	50.50%
4223	100.00%
2575	43.00%

10381	1.50%
0	0.00%
6101	44.00%
5060	67.50%
0	100.00%
4758	31.00%
6312	63.50%
3158	86.50%
5232	73.00%
6985	56.00%
3221	62.00%
4485	65.00%
6332	54.50%
7034	40.00%
3159	87.50%
5821	66.00%

4828	86.00%
11832	6.00%
4502	8.50%
0	100.00%
11924	2.00%
2545	30.00%
5682	33.00%
7155	71.50%
11883	2.00%
7021	61.00%
4223	100.00%
3675	20.00%
11881	2.00%
823	35.50%
6101	39.50%
5983	55.50%

0 100.00	0
4758 60.50	4758
7337 35.00	7337
4071 17.50	4071
6017 43.00	6017
8058 25.50	8058
3769 90.50	3769
5398 17.50	5398
7545 57.50	7545
7034 39.00	7034
4057 40.50	4057
5821 100.00	5821
5866 32.50	5866
13315 3.50	13315
5450 30.50	5450
0 100.00	0

13424	1.50%
2545	87.50%
6775	21.50%
8585	14.00%
13383	2.00%
8211	22.00%
4223	100.00%
3675	25.50%
13381	1.50%
823	100.00%
6101	69.00%
7203	16.00%
0	100.00%
5646	22.50%
7337	1.00%
4071	85.00%

6017	10.50%
9096	52.50%
4782	17.50%
5398	40.00%
8860	37.00%
7794	48.00%
5047	42.00%
6709	22.50%
6771	79.00%

Answer Time (seconds)	
	1,5
	2,3
	20
	0,7
	12,9
	3,5
	10,1
	1,4
	14
	11,4
	20
	0,6
	0
	15,2
	9,1

20 12,1 9,2 9,9 11,4 5,8 19,2 9,7 8,6 13,9 7,2 18,3 7,8 1,7	
9,2 9,9 11,4 5,8 19,2 9,7 8,6 13,9 7,2 18,3 7,8 1,7	20
9,9 11,4 5,8 19,2 9,7 8,6 13,9 7,2 18,3 7,8 1,7	12,1
11,4 5,8 19,2 9,7 8,6 13,9 7,2 18,3 7,8 1,7	9,2
5,8 19,2 9,7 8,6 13,9 7,2 18,3 7,8 1,7	9,9
19,2 9,7 8,6 13,9 7,2 18,3 7,8 1,7	11,4
9,7 8,6 13,9 7,2 18,3 7,8 1,7	5,8
8,6 13,9 7,2 18,3 7,8 1,7	19,2
13,9 7,2 18,3 7,8 1,7	9,7
7,2 18,3 7,8 1,7	8,6
18,3 7,8 1,7 3,2	13,9
7,8 1,7 3,2	7,2
3,2	18,3
3,2	7,8
	1,7
20	3,2
	20

0,8 3,9 7,5 20 1,6 14,8 20 8,9 1,9 0 12,5 15,7 20 6,9 8,5	
7,5 20 1,6 14,8 20 8,9 1,9 0 12,5 15,7 20 6,9 8,5	0,8
20 1,6 14,8 20 8,9 1,9 0 12,5 15,7 20 6,9 8,5	3,9
1,6 14,8 20 8,9 1,9 0 12,5 15,7 20 6,9	7,5
14,8 20 8,9 1,9 0 12,5 15,7 20 6,9	20
20 8,9 1,9 0 12,5 15,7 20 6,9	1,6
8,9 1,9 0 12,5 15,7 20 6,9	14,8
1,9 0 12,5 15,7 20 6,9	20
12,5 15,7 20 6,9 8,5	8,9
12,5 15,7 20 6,9 8,5	1,9
15,7 20 6,9 8,5	0
6,9 8,5	12,5
6,9 8,5	15,7
8,5	20
	6,9
11,2	8,5
	11,2

10,7
5,2
20
20
19,2
8,9
19,7
19,1
5,3
1,5
2,9
20
0,9
2
6
16,4

1,2
12,4
7
7,2
1,4
0
9,8
8,9
20
5,8
7,3
5,8
9,1
5,2
6,1
8,3

16,5
5,8
8,1
8,5
6,2
0,9
9,7
20
0,1
20
7,2
8,6
0,2
7,3
11,6
4,8

0,9 0 5,8 4,7 20 6,7 13,6 20 15,5 3,4 15,2 4,8 12,1 8,5 4,9	
5,8 4,7 20 6,7 13,6 20 15,5 3,4 15,2 4,8 12,1 8,5	0,9
4,7 20 6,7 13,6 20 15,5 3,4 15,2 4,8 12,1 8,5	0
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