Atomic Radius Trend

Played on	**8 Nov 2019**
Hosted by	**JenKrug**
Played with	**25 players**
Played	**10 of 10**

Overall Performance

Total correct answers (%)	64,40%
Total incorrect answers (%)	35,60%
Average score (points)	5883,4

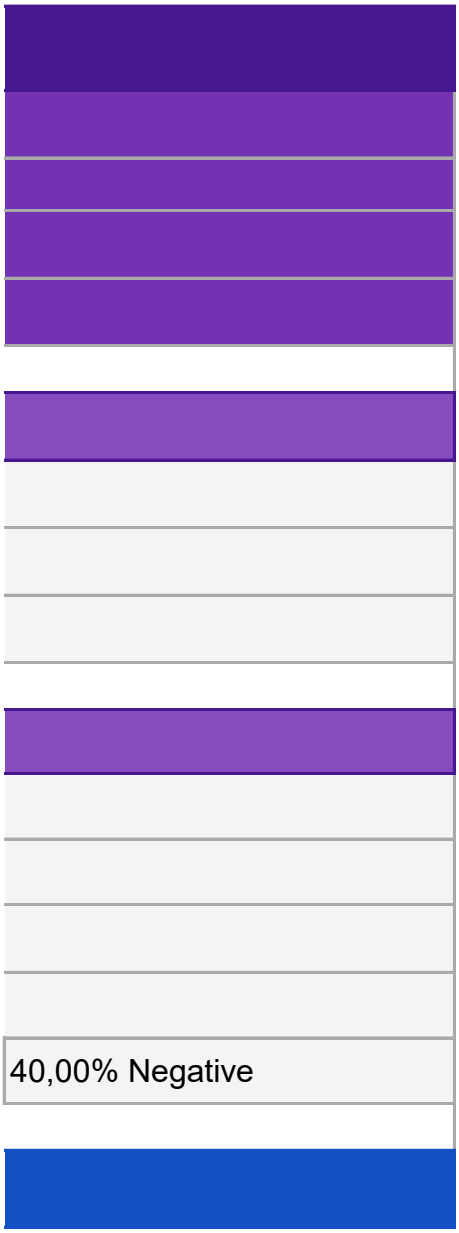
Feedback

Number of responses	5
How fun was it? (out of 5)	3,67 o
Did you learn something?	66,67%
Do you recommend it?	66,67%
How do you feel?	◉

Switch tabs/pages to view other result breakdown

%
%
44 points

ut of 5			
% Yes		33,33% No	
% Yes		33,33% No	
60,00% Positive	◉	0,00% Neutral	◉


40,00% Negative

Atomic Radius Trend

Final Scores

Rank	Players
1	Reece
2	mason
3	Chelsea
4	julia
5	sydney
6	Ashley
7	Michael
8	mckenna
9	troy
10	Max
11	Alec S
12	sebastian
13	david
14	Owen
15	gina
16	Lindsey
17	Rhys
18	LIAM
19	Shane
20	maddie
21	Katie
22	Macin

23	Dahlia
24	CreativePanther21
25	Curleys Wife

Final Scores

Total Score (points)	Correct Answers	Incorrect Answers
13405	10	0
10692	9	1
8628	9	1
7734	8	2
7666	8	2
7554	8	2
7327	8	2
6947	8	2
6634	7	3
6518	7	3
6484	8	2
6379	7	3
6264	7	3
6016	7	3
5774	7	3
5645	7	3
4993	6	4
4908	7	3
4887	6	4
4844	6	4
3650	5	5
2559	4	6

Final Scores

1578	2	8
0	0	10
0	0	10

Atomic Radius Trend

Kahoot! Summary

Rank	Players
1	Reece
2	mason
3	Chelsea
4	julia
5	sydney
6	Ashley
7	Michael
8	mckenna
9	troy
10	Max
11	Alec S
12	sebastian
13	david
14	Owen
15	gina

16	Lindsey
17	Rhys
18	LIAM
19	Shane
20	maddie
21	Katie
22	Macin
23	Dahlia
24	CreativePanther21
25	Curleys Wife

Total Score (points)	Q1
13405	988
10692	1000
8628	613
7734	723
7666	698
7554	848
7327	673
6947	700
6634	823
6518	933
6484	738
6379	690
6264	803
6016	890
5774	0

Kahoot! Summary

5645	713
4993	865
4908	718
4887	858
4844	873
3650	763
2559	668
1578	0
0	0
0	0

definition of radius	Q2
the distance from the center of the circle to the outside of the circle	1078
the distance from the center of the circle to the outside of the circle	1085
the distance from the center of the circle to the outside of the circle	1015
the distance from the center of the circle to the outside of the circle	990
the distance from the center of the circle to the outside of the circle	763
the distance from the center of the circle to the outside of the circle	1035
the distance from the center of the circle to the outside of the circle	1045
the distance from the center of the circle to the outside of the circle	0
the distance from the center of the circle to the outside of the circle	988
the distance from the center of the circle to the outside of the circle	823
the distance from the center of the circle to the outside of the circle	758
the distance from the center of the circle to the outside of the circle	875
the distance from the center of the circle to the outside of the circle	960
the distance from the center of the circle to the outside of the circle	1010
the distance across the circle	893

the distance from the center of the circle to the outside of the circle	0
the distance from the center of the circle to the outside of the circle	0
the distance from the center of the circle to the outside of the circle	663
the distance from the center of the circle to the outside of the circle	943
the distance from the center of the circle to the outside of the circle	0
the distance from the center of the circle to the outside of the circle	0
the distance from the center of the circle to the outside of the circle	0
	648
	0
	0

what happens to a trend moving left to right across a period	Q3
Radius gets smaller	1200
Radius gets smaller	1188
Radius gets smaller	773
Radius gets smaller	878
Radius gets smaller	933
Radius gets smaller	830
Radius gets smaller	1050
Radius gets bigger	758
Radius gets smaller	1070
Radius gets smaller	0
Radius gets smaller	0
Radius gets smaller	1090
Radius gets smaller	958
Radius gets smaller	810
Radius gets smaller	655

Kahoot! Summary

Radius gets bigger	763
Radius gets bigger	760
Radius gets smaller	0
Radius gets smaller	0
	705
Radius gets bigger	0
Radius stays the same	650
Radius gets smaller	0
	0
	0

How is atomic radius measured	Q4
center of one nucleus to the border of that which supports it	1283
center of one nucleus to the border of that which supports it	1278
center of one nucleus to the border of that which supports it	0
center of one nucleus to the border of that which supports it	1083
center of one nucleus to the border of that which supports it	1068
center of one nucleus to the border of that which supports it	0
center of one nucleus to the border of that which supports it	0
center of one nucleus to the border of that which supports it	918
center of one nucleus to the border of that which supports it	1195
from the neutron to the valence electron	873
from the neutron to the valence electron	570
center of one nucleus to the border of that which supports it	1015
center of one nucleus to the border of that which supports it	1165
center of one nucleus to the border of that which supports it	0
center of one nucleus to the border of that which supports it	0

center of one nucleus to the border of that which supports it	753
center of one nucleus to the border of that which supports it	910
from the neutron to the valence electron	528
from the neutron to the valence electron	0
center of one nucleus to the border of that which supports it	780
	693
center of one nucleus to the border of that which supports it	0
from the neutron to the valence electron	0
	0
	0

what is nuclear force	Q5
A strong attractive force between nucleons and the nuclei of 2 atoms	1385
A strong attractive force between nucleons and the nuclei of 2 atoms	1388
The force between the electrons	938
A strong attractive force between nucleons and the nuclei of 2 atoms	1115
A strong attractive force between nucleons and the nuclei of 2 atoms	1040
The force between the electrons	963
How strong the nucleus is	958
A strong attractive force between nucleons and the nuclei of 2 atoms	903
A strong attractive force between nucleons and the nuclei of 2 atoms	0
A strong attractive force between nucleons and the nuclei of 2 atoms	0
A strong attractive force between nucleons and the nuclei of 2 atoms	925
A strong attractive force between nucleons and the nuclei of 2 atoms	0
A strong attractive force between nucleons and the nuclei of 2 atoms	0
How strong the nucleus is	723
The force between the electrons	785

A strong attractive force between nucleons and the nuclei of 2 atoms	0
A strong attractive force between nucleons and the nuclei of 2 atoms	888
A strong attractive force between nucleons and the nuclei of 2 atoms	875
How strong the nucleus is	0
A strong attractive force between nucleons and the nuclei of 2 atoms	785
A strong attractive force between nucleons and the nuclei of 2 atoms	723
The force between the electrons	553
	930
	0
	0

what happens to a trend moving down a group	Q6
Radius increases in size	1500
Radius increases in size	1480
Radius increases in size	658
Radius increases in size	1230
Radius increases in size	1238
Radius increases in size	833
Radius increases in size	613
Radius increases in size	0
Radius decreases in size	0
Radius decreases in size	880
Radius increases in size	725
Radius decreases in size	0
Radius decreases in size	0
Radius increases in size	0
Radius increases in size	643

Kahoot! Summary

Radius stays same	0
Radius increases in size	0
Radius increases in size	0
Radius decreases in size	730
Radius increases in size	0
Radius increases in size	0
Radius increases in size	0
Radius increases in size	0
	0
	0

coloumbs law says	Q7
similar nuclei can't attract	1500
similar nuclei can't attract	0
similar nuclei can't attract	1168
similar nuclei can't attract	0
similar nuclei can't attract	0
similar nuclei can't attract	1035
similar nuclei can't attract	1178
similar neutrons can attract	860
similar nuclei can attract	930
similar nuclei can't attract	0
similar nuclei can't attract	1045
similar nuclei can attract	933
similar nuclei can attract	828
similar nuclei don't exist	883
similar nuclei can't attract	1115

Kahoot! Summary

similar neutrons can attract	895
similar neutrons can attract	0
	738
similar nuclei can't attract	0
similar neutrons can attract	968
similar neutrons can attract	0
	0
	0
	0
	0

Metals have a bigger atomic radius than non metals	Q8
true	1500
false	985
true	850
false	0
false	0
true	0
true	0
true	835
true	0
false	918
true	0
true	0
true	0
true	0
true	0

Kahoot! Summary

true	708
false	0
true	0
false	718
true	0
false	0
false	0
	0
	0
	0

smaller radii have higher influence on chemical reactiions	Q9
true	1483
true	1088
true	1323
false	755
false	973
false	970
false	795
true	1008
false	775
true	1008
false	935
false	843
false	745
false	880
false	913

Kahoot! Summary

true	983
false	930
false	668
true	903
false	733
false	848
false	688
	0
	0
	0

which element has the smallest value for this trend	Q10
helium	1488
helium	1200
helium	1290
helium	960
helium	953
helium	1040
helium	1015
helium	965
helium	853
helium	1083
helium	788
helium	933
helium	805
helium	820
helium	770

Kahoot! Summary

helium	830
helium	640
helium	718
helium	735
helium	0
helium	623
helium	0
	0
	0
	0

how does electron repulsion effect the orientation of electrons
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible

they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
they orient as far away as possible
electron repulsion doesn't effect orientation
they orient as far away as possible
electron repulsion doesn't effect orientation

Atomic R
1 Quiz
Correct answers
Players correct (
Question duratic
Answer Sun
Answer options
Is answer correc
Number of answ
Average time tal
Answer Det
Players
Alec S
Ashley
Chelsea
CreativePanther
Curleys Wife
Dahlia
Katie
LIAM
Lindsey
Macin

Max
Michael
Owen
Reece
Rhys
Shane
david
gina
julia
maddie
mason
mckenna
sebastian
sydney
troy

adius Trend

definition of radius

s	the dista
(%)	84,00%
on	20 secor

mmary

	▲
ct?	
vers received	
ken to answer (seconds)	

ails

	Answer
	✓
	✓
	✓
21	✗
	✗
	✗
	✓
	✓
	✓
	✓

1 Quiz

	☑
	☑
	☑
	☑
	☑
	☑
	☑
	✗
	☑
	☑
	☑
	☑
	☑
	☑
	☑

nce from the center of the circle to the outside of the circle
nds

the distance around a circle	♦
✗	
0	
0,00	

	Score (p
the distance from the center of the circle to the outside of the circle	738
the distance from the center of the circle to the outside of the circle	848
the distance from the center of the circle to the outside of the circle	613
	0
	0
	0
the distance from the center of the circle to the outside of the circle	763
the distance from the center of the circle to the outside of the circle	718
the distance from the center of the circle to the outside of the circle	713
the distance from the center of the circle to the outside of the circle	668

the distance from the center of the circle to the outside of the circle	933
the distance from the center of the circle to the outside of the circle	673
the distance from the center of the circle to the outside of the circle	890
the distance from the center of the circle to the outside of the circle	988
the distance from the center of the circle to the outside of the circle	865
the distance from the center of the circle to the outside of the circle	858
the distance from the center of the circle to the outside of the circle	803
the distance across the circle	0
the distance from the center of the circle to the outside of the circle	723
the distance from the center of the circle to the outside of the circle	873
the distance from the center of the circle to the outside of the circle	1000
the distance from the center of the circle to the outside of the circle	700
the distance from the center of the circle to the outside of the circle	690
the distance from the center of the circle to the outside of the circle	698
the distance from the center of the circle to the outside of the circle	823

the distance from the center of the circle to the outside of the circle
21
8,46

oints)	Current
	738
	848
	613
	0
	0
	0
	763
	718
	713
	668

	933
	673
	890
	988
	865
	858
	803
	0
	723
	873
	1000
	700
	690
	698
	823

the distance across the circle	■
✗	
1	
9,20	

Total Score (points)	Answer ti
	10,5
	6,1
	15,5
	20
	20
	20
	9,5
	11,3
	11,5
	13,3

	2,7
	13,1
	4,4
	0,5
	5,4
	5,7
	7,9
	9,2
	11,1
	5,1
	0,4
	12
	12,4
	12,1
	7,1

ime (seconds)

Atomic R
2 Quiz
Correct answers
Players correct (
Question duratic
Answer Sun
Answer options
Is answer correc
Number of answ
Average time tal
Answer Det
Players
Alec S
Ashley
Chelsea
CreativePanther
Curleys Wife
Dahlia
Katie
LIAM
Lindsey
Macin

Max
Michael
Owen
Reece
Rhys
Shane
david
gina
julia
maddie
mason
mckenna
sebastian
sydney
troy

adius Trend

what happens to a trend moving left to right across a period

s	Radius g
(%)	68,00%
on	20 secor

mmary

	▲
ct?	
vers received	
ken to answer (seconds)	

ails

	Answer
	✓
	✓
	✓
21	✗
	✗
	✓
	✗
	✓
	✗
	✗

	☑
	☑
	☑
	☑
	✗
	☑
	☑
	☑
	☑
	✗
	☑
	✗
	☑
	☑
	☑

gets smaller
nds

Radius gets smaller	♦
✓	
17	
6,90	

	Score (p
Radius gets smaller	758
Radius gets smaller	1035
Radius gets smaller	1015
	0
	0
Radius gets smaller	648
Radius gets bigger	0
Radius gets smaller	663
Radius gets bigger	0
Radius stays the same	0

Radius gets smaller	823
Radius gets smaller	1045
Radius gets smaller	1010
Radius gets smaller	1078
Radius gets bigger	0
Radius gets smaller	943
Radius gets smaller	960
Radius gets smaller	893
Radius gets smaller	990
	0
Radius gets smaller	1085
Radius gets bigger	0
Radius gets smaller	875
Radius gets smaller	763
Radius gets smaller	988

Radius gets bigger	●
✗	
4	
7,98	

oints)	Current
	1496
	1883
	1628
	0
	0
	648
	763
	1381
	713
	668

	1756
	1718
	1900
	2066
	865
	1801
	1763
	893
	1713
	873
	2085
	700
	1565
	1461
	1811

Radius stays the same	■
✗	
1	
19,80	

Total Score (points)	Answer ti
	13,7
	2,6
	3,4
	20
	20
	14,1
	7,7
	17,5
	6,6
	19,8

	11,1
	2,2
	3,6
	0,9
	6,1
	6,3
	5,6
	4,3
	4,4
	20
	0,6
	11,5
	9
	13,5
	4,5

Radius disappears
✗
0
0,00
ime (seconds)

Atomic R
3 Quiz
Correct answers
Players correct (
Question duratic
Answer Sun
Answer options
Is answer correc
Number of answ
Average time tal
Answer Det
Players
Alec S
Ashley
Chelsea
CreativePanther
Curleys Wife
Dahlia
Katie
LIAM
Lindsey
Macin

Max
Michael
Owen
Reece
Rhys
Shane
david
gina
julia
maddie
mason
mckenna
sebastian
sydney
troy

adius Trend

How is atomic radius measured

s	center of
(%)	68,00%
on	20 secor

mmary

	▲
ct?	
vers received	
ken to answer (seconds)	

ails

	Answer
	✗
	✓
	✓
r21	✗
	✗
	✗
	✗
	✗
	✓
	✓

	✗
	☑
	☑
	☑
	☑
	✗
	☑
	☑
	☑
	☑
	☑
	☑
	☑
	☑
	☑

f one nucleus to the border of that which supports it
nds

from the neutron to the valence electron	♦
✗	
5	
11,28	

	Score (p
from the neutron to the valence electron	0
center of one nucleus to the border of that which supports it	830
center of one nucleus to the border of that which supports it	773
	0
	0
from the neutron to the valence electron	0
	0
from the neutron to the valence electron	0
center of one nucleus to the border of that which supports it	763
center of one nucleus to the border of that which supports it	650

from the neutron to the valence electron	0
center of one nucleus to the border of that which supports it	1050
center of one nucleus to the border of that which supports it	810
center of one nucleus to the border of that which supports it	1200
center of one nucleus to the border of that which supports it	760
from the neutron to the valence electron	0
center of one nucleus to the border of that which supports it	958
center of one nucleus to the border of that which supports it	655
center of one nucleus to the border of that which supports it	878
center of one nucleus to the border of that which supports it	705
center of one nucleus to the border of that which supports it	1188
center of one nucleus to the border of that which supports it	758
center of one nucleus to the border of that which supports it	1090
center of one nucleus to the border of that which supports it	933
center of one nucleus to the border of that which supports it	1070

center of one nucleus to the border of that which supports it
17
9,98

oints)	Current
	1496
	2713
	2401
	0
	0
	648
	763
	1381
	1476
	1318

	1756
	2768
	2710
	3266
	1625
	1801
	2721
	1548
	2591
	1578
	3273
	1458
	2655
	2394
	2881

in m/g	■
✗	
0	
0,00	

Total Score (points)	Answer ti
	14,3
	14,8
	17,1
	20
	20
	15,1
	20
	9
	9,5
	14

	3,4
	6
	15,6
	0,3
	9,6
	14,6
	9,7
	17,8
	12,9
	11,8
	0,5
	9,7
	4,4
	10,7
	5,2

from diameter to radius
✗
0
0,00
me (seconds)

Atomic R
4 Quiz
Correct answers
Players correct (
Question duratic
Answer Sun
Answer options
Is answer correc
Number of answ
Average time tal
Answer Det
Players
Alec S
Ashley
Chelsea
CreativePanther
Curleys Wife
Dahlia
Katie
LIAM
Lindsey
Macin

Max
Michael
Owen
Reece
Rhys
Shane
david
gina
julia
maddie
mason
mckenna
sebastian
sydney
troy

adius Trend

what is nuclear force

s	A strong
(%)	60,00%
on	20 secor

mmary

	▲
ct?	
vers received	
ken to answer (seconds)	

ails

	Answer
	☑
	✗
	✗
r21	✗
	✗
	✗
	☑
	☑
	☑
	✗

	☑
	✗
	✗
	☑
	☑
	✗
	☑
	✗
	☑
	☑
	☑
	☑
	☑
	☑
	☑

attractive force between nucleons and the nuclei of 2 atoms
nds

How strong the nucleus is	♦
✗	
3	
14,67	

	Score (p
A strong attractive force between nucleons and the nuclei of 2 atoms	570
The force between the electrons	0
The force between the electrons	0
	0
	0
	0
A strong attractive force between nucleons and the nuclei of 2 atoms	693
A strong attractive force between nucleons and the nuclei of 2 atoms	528
A strong attractive force between nucleons and the nuclei of 2 atoms	753
The force between the electrons	0

A strong attractive force between nucleons and the nuclei of 2 atoms	873
How strong the nucleus is	0
How strong the nucleus is	0
A strong attractive force between nucleons and the nuclei of 2 atoms	1283
A strong attractive force between nucleons and the nuclei of 2 atoms	910
How strong the nucleus is	0
A strong attractive force between nucleons and the nuclei of 2 atoms	1165
The force between the electrons	0
A strong attractive force between nucleons and the nuclei of 2 atoms	1083
A strong attractive force between nucleons and the nuclei of 2 atoms	780
A strong attractive force between nucleons and the nuclei of 2 atoms	1278
A strong attractive force between nucleons and the nuclei of 2 atoms	918
A strong attractive force between nucleons and the nuclei of 2 atoms	1015
A strong attractive force between nucleons and the nuclei of 2 atoms	1068
A strong attractive force between nucleons and the nuclei of 2 atoms	1195

The force between the electrons	●
✗	
4	
13,83	

oints)	Current
	2066
	2713
	2401
	0
	0
	648
	1456
	1909
	2229
	1318

	2629
	2768
	2710
	4549
	2535
	1801
	3886
	1548
	3674
	2358
	4551
	2376
	3670
	3462
	4076

A strong attractive force between nucleons and the nuclei of 2 atoms	■
✓	
15	
9,05	

Total Score (points)	Answer ti
	17,2
	2,8
	19,2
	20
	20
	20
	12,3
	18,9
	13,9
	16,8

	5,1
	19,5
	17,5
	0,7
	7,6
	7
	5,4
	16,5
	8,7
	12,8
	0,9
	7,3
	11,4
	9,3
	4,2

The force between 2 neutrons
✗
0
0,00
ime (seconds)

Atomic R
5 Quiz
Correct answers
Players correct (
Question duratic
Answer Sun
Answer options
Is answer correc
Number of answ
Average time tal
Answer Det
Players
Alec S
Ashley
Chelsea
CreativePanther
Curleys Wife
Dahlia
Katie
LIAM
Lindsey
Macin

Max
Michael
Owen
Reece
Rhys
Shane
david
gina
julia
maddie
mason
mckenna
sebastian
sydney
troy

adius Trend

what happens to a trend moving down a group

s	Radius i
(%)	68,00%
on	20 secor

mmary

	▲
ct?	
vers received	
ken to answer (seconds)	

ails

	Answer
	✓
	✓
	✓
21	✗
	✗
	✓
	✓
	✓
	✗
	✓

	✗
	☑
	☑
	☑
	☑
	✗
	✗
	☑
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	☑
	☑
	✗
	☑
	✗

ncreases in size
nds

Radius decreases in size	♦
✗	
5	
7,22	

	Score (p
Radius increases in size	925
Radius increases in size	963
Radius increases in size	938
	0
	0
Radius increases in size	930
Radius increases in size	723
Radius increases in size	875
Radius stays same	0
Radius increases in size	553

Radius decreases in size	0
Radius increases in size	958
Radius increases in size	723
Radius increases in size	1385
Radius increases in size	888
Radius decreases in size	0
Radius decreases in size	0
Radius increases in size	785
Radius increases in size	1115
Radius increases in size	785
Radius increases in size	1388
Radius increases in size	903
Radius decreases in size	0
Radius increases in size	1040
Radius decreases in size	0

Radius increases in size	
✓	
17	
8,54	

oints)	Current
	2991
	3676
	3339
	0
	0
	1578
	2179
	2784
	2229
	1871

	2629
	3726
	3433
	5934
	3423
	1801
	3886
	2333
	4789
	3143
	5939
	3279
	3670
	4502
	4076

Radius stays same	■
✗	
1	
3,00	

Total Score (points)	Answer ti
	7
	1,5
	2,5
	20
	20
	2,8
	15,1
	9
	3
	17,9

	8,3
	1,7
	11,1
	0,6
	12,5
	9,7
	7,8
	8,6
	11,4
	16,6
	0,5
	11,9
	4,8
	14,4
	5,5

ime (seconds)

Atomic R
6 Quiz
Correct answers
Players correct (
Question duratic
Answer Sun
Answer options
Is answer correc
Number of answ
Average time tal
Answer Det
Players
Alec S
Ashley
Chelsea
CreativePanther
Curleys Wife
Dahlia
Katie
LIAM
Lindsey
Macin

Max
Michael
Owen
Reece
Rhys
Shane
david
gina
julia
maddie
mason
mckenna
sebastian
sydney
troy

adius Trend

coloumbs law says

s	similar n
(%)	44,00%
on	20 secor

mmary

	▲
ct?	
vers received	
ken to answer (seconds)	

ails

	Answer
	☑
	☑
	☑
21	✗
	✗
	✗
	✗
	✗
	✗
	✗

	☑
	☑
	✗
	☑
	✗
	☑
	✗
	☑
	☑
	✗
	☑
	✗
	✗
	☑
	✗

uclei can't attract
nds

similar nuclei can't attract	♦
√	
11	
11,20	

	Score (p
similar nuclei can't attract	725
similar nuclei can't attract	833
similar nuclei can't attract	658
	0
	0
	0
similar neutrons can attract	0
	0
similar neutrons can attract	0
	0

similar nuclei can't attract	880
similar nuclei can't attract	613
similar nuclei don't exist	0
similar nuclei can't attract	1500
similar neutrons can attract	0
similar nuclei can't attract	730
similar nuclei can attract	0
similar nuclei can't attract	643
similar nuclei can't attract	1230
similar neutrons can attract	0
similar nuclei can't attract	1480
similar neutrons can attract	0
similar nuclei can attract	0
similar nuclei can't attract	1238
similar nuclei can attract	0

similar nuclei can attract	●
✗	
3	
13,93	

oints)	Current
	3716
	4509
	3997
	0
	0
	1578
	2179
	2784
	2229
	1871

	3509
	4339
	3433
	7434
	3423
	2531
	3886
	2976
	6019
	3143
	7419
	3279
	3670
	5740
	4076

similar nuclei don't exist	■
✗	
1	
19,30	

Total Score (points)	Answer ti
	19
	10,7
	17,7
	20
	20
	20
	13,2
	20
	18,8
	20

	4,8
	19,5
	19,3
	0,3
	11,8
	10,8
	15
	18,3
	10,8
	14,9
	0,8
	18,1
	9,7
	10,5
	17,1

similar neutrons can attract
✗
5
15,36
me (seconds)

Atomic R
7 Quiz
Correct answers
Players correct (
Question duratic
Answer Sun
Answer options
Is answer correc
Number of answ
Average time tal
Answer Det
Players
Alec S
Ashley
Chelsea
CreativePanther
Curleys Wife
Dahlia
Katie
LIAM
Lindsey
Macin

Max
Michael
Owen
Reece
Rhys
Shane
david
gina
julia
maddie
mason
mckenna
sebastian
sydney
troy

adius Trend

Metals have a bigger atomic radius than non metals

s	true
(%)	56,00%
on	20 secor

mmary

	▲
ct?	
vers received	
ken to answer (seconds)	

ails

	Answer
	☑
	☑
	☑
21	✗
	✗
	✗
	✗
	☑
	☑
	✗

	✗
	☑
	☑
	☑
	✗
	✗
	☑
	☑
	✗
	☑
	✗
	☑
	☑
	✗
	☑

nds

true	♦
✓	
14	
4,39	

	Score (p
true	1045
true	1035
true	1168
	0
	0
	0
false	0
true	738
true	895
false	0

false	0
true	1178
true	883
true	1500
false	0
false	0
true	828
true	1115
false	0
true	968
false	0
true	860
true	933
false	0
true	930

false	●
✗	
8	
3,68	

oints)	Current
	4761
	5544
	5165
	0
	0
	1578
	2179
	3522
	3124
	1871

	3509
	5517
	4316
	8934
	3423
	2531
	4714
	4091
	6019
	4111
	7419
	4139
	4603
	5740
	5006

Total Score (points)	Answer ti
	10,2
	6,6
	1,3
	20
	20
	20
	2,6
	10,5
	4,2
	8,8

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

ime (seconds)

Atomic R
8 Quiz
Correct answers
Players correct (
Question duratic
Answer Sun
Answer options
Is answer correc
Number of answ
Average time tal
Answer Det
Players
Alec S
Ashley
Chelsea
CreativePanther
Curleys Wife
Dahlia
Katie
LIAM
Lindsey
Macin

Max
Michael
Owen
Reece
Rhys
Shane
david
gina
julia
maddie
mason
mckenna
sebastian
sydney
troy

adius Trend

smaller radii have higher influence on chemical reactiions

s	true
(%)	28,00%
on	20 secor

mmary

	▲
ct?	
vers received	
ken to answer (seconds)	

ails

	Answer
	✗
	✗
	☑
21	✗
	✗
	✗
	✗
	✗
	☑
	✗

	☑
	✗
	✗
	☑
	✗
	☑
	✗
	✗
	✗
	✗
	☑
	☑
	✗
	✗
	✗

nds

true	♦
✓	
7	
8,54	

	Score (p
false	0
false	0
true	850
	0
	0
	0
false	0
false	0
true	708
false	0

true	918
false	0
false	0
true	1500
false	0
true	718
false	0
false	0
false	0
false	0
true	985
true	835
false	0
false	0
false	0

false	●
✗	
15	
9,99	

oints)	Current
	4761
	5544
	6015
	0
	0
	1578
	2179
	3522
	3832
	1871

	4427
	5517
	4316
	10434
	3423
	3249
	4714
	4091
	6019
	4111
	8404
	4974
	4603
	5740
	5006

Total Score (points)	Answer ti
	5
	1
	18
	20
	20
	20
	5,2
	16,8
	15,7
	19,1

	3,3
	6
	3,9
	0,3
	4,7
	11,3
	14,4
	5,8
	17,1
	9,4
	0,6
	10,6
	9
	13,7
	18,8

ime (seconds)

Atomic R
9 Quiz
Correct answers
Players correct (
Question duratic
Answer Sun
Answer options
Is answer correc
Number of answ
Average time tal
Answer Det
Players
Alec S
Ashley
Chelsea
CreativePanther
Curleys Wife
Dahlia
Katie
LIAM
Lindsey
Macin

Max
Michael
Owen
Reece
Rhys
Shane
david
gina
julia
maddie
mason
mckenna
sebastian
sydney
troy

adius Trend

which element has the smallest value for this trend

s	helium
(%)	88,00%
on	20 secor

mmary

	▲
ct?	
vers received	
ken to answer (seconds)	

ails

	Answer
	✓
	✓
	✓
21	✗
	✗
	✗
	✓
	✓
	✓
	✓

	☑
	☑
	☑
	☑
	☑
	☑
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	☑
	☑
	☑
	☑
	☑
	☑
	☑

nds

argon	♦
✗	
0	
0,00	

	Score (p
helium	935
helium	970
helium	1323
	0
	0
	0
helium	848
helium	668
helium	983
helium	688

helium	1008
helium	795
helium	880
helium	1483
helium	930
helium	903
helium	745
helium	913
helium	755
helium	733
helium	1088
helium	1008
helium	843
helium	973
helium	775

helium	●
✓	
22	
6,11	

oints)	Current
	5696
	6514
	7338
	0
	0
	1578
	3027
	4190
	4815
	2559

	5435
	6312
	5196
	11917
	4353
	4152
	5459
	5004
	6774
	4844
	9492
	5982
	5446
	6713
	5781

gold	■
✗	
0	
0,00	

Total Score (points)	Answer ti
	2,6
	1,2
	3,1
	20
	20
	20
	6,1
	13,3
	8,7
	12,5

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

neon
✗
0
0,00
me (seconds)

Atomic R
10 Quiz
Correct answers
Players correct (
Question duratic
Answer Sun
Answer options
Is answer correc
Number of answ
Average time tal
Answer Det
Players
Alec S
Ashley
Chelsea
CreativePanther
Curleys Wife
Dahlia
Katie
LIAM
Lindsey
Macin

Max
Michael
Owen
Reece
Rhys
Shane
david
gina
julia
maddie
mason
mckenna
sebastian
sydney
troy

adius Trend

how does electron repulsion effect the orientation of electrons

s	they orie
(%)	80,00%
on	20 secor

mmary

	▲
ct?	
vers received	
ken to answer (seconds)	

ails

	Answer
	☑
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r21	✗
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	✗
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	☑
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nt as far away as possible
nds

they orient as close together as possible	♦
✗	
0	
0,00	

	Score (p
they orient as far away as possible	788
they orient as far away as possible	1040
they orient as far away as possible	1290
	0
	0
	0
they orient as far away as possible	623
they orient as far away as possible	718
they orient as far away as possible	830
electron repulsion doesn't effect orientation	0

they orient as far away as possible	1083
they orient as far away as possible	1015
they orient as far away as possible	820
they orient as far away as possible	1488
they orient as far away as possible	640
they orient as far away as possible	735
they orient as far away as possible	805
they orient as far away as possible	770
they orient as far away as possible	960
electron repulsion doesn't effect orientation	0
they orient as far away as possible	1200
they orient as far away as possible	965
they orient as far away as possible	933
they orient as far away as possible	953
they orient as far away as possible	853

they orient as far away as possible	●
✓	
20	
10,01	

oints)	Current
	6484
	7554
	8628
	0
	0
	1578
	3650
	4908
	5645
	2559

	6518
	7327
	6016
	13405
	4993
	4887
	6264
	5774
	7734
	4844
	10692
	6947
	6379
	7666
	6634

electron repulsion doesn't effect orientation	■
✗	
2	
15,00	

Total Score (points)	Answer ti
	12,5
	2,4
	8,4
	20
	20
	20
	19,1
	15,3
	18,8
	19,6

	4,7
	3,4
	11,2
	0,5
	18,4
	18,6
	11,8
	13,2
	5,6
	10,4
	0,3
	13,4
	6,7
	5,9
	9,9

ime (seconds)

Question Number
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Question
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what happens to a trend moving left to right across a period
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How is atomic radius measured
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what happens to a trend moving down a group
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coloumbs law says
coloumbs law says

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Metals have a bigger atomic radius than non metals
Metals have a bigger atomic radius than non metals
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Metals have a bigger atomic radius than non metals
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Metals have a bigger atomic radius than non metals

smaller radii have higher influence on chemical reactiions
smaller radii have higher influence on chemical reactiions
smaller radii have higher influence on chemical reactiions
smaller radii have higher influence on chemical reactiions
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which element has the smallest value for this trend
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which element has the smallest value for this trend
which element has the smallest value for this trend
how does electron repulsion effect the orientation of electrons
how does electron repulsion effect the orientation of electrons
how does electron repulsion effect the orientation of electrons
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how does electron repulsion effect the orientation of electrons
how does electron repulsion effect the orientation of electrons

Answer 1	Answer 2
the distance around a circle	the distance from the center of the circle to the outside of the circle
the distance around a circle	the distance from the center of the circle to the outside of the circle
the distance around a circle	the distance from the center of the circle to the outside of the circle
the distance around a circle	the distance from the center of the circle to the outside of the circle
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the distance around a circle	the distance from the center of the circle to the outside of the circle
the distance around a circle	the distance from the center of the circle to the outside of the circle
Radius gets smaller	Radius gets bigger
Radius gets smaller	Radius gets bigger
Radius gets smaller	Radius gets bigger
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Radius gets smaller	Radius gets bigger
Radius gets smaller	Radius gets bigger

Radius gets smaller	Radius gets bigger
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Radius gets smaller	Radius gets bigger
Radius gets smaller	Radius gets bigger
Radius gets smaller	Radius gets bigger
Radius gets smaller	Radius gets bigger

Radius gets smaller	Radius gets bigger
Radius gets smaller	Radius gets bigger
Radius gets smaller	Radius gets bigger
from the neutron to the valence electron	center of one nucleus to the border of that which supports it
from the neutron to the valence electron	center of one nucleus to the border of that which supports it
from the neutron to the valence electron	center of one nucleus to the border of that which supports it
from the neutron to the valence electron	center of one nucleus to the border of that which supports it
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from the neutron to the valence electron	center of one nucleus to the border of that which supports it

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from the neutron to the valence electron	center of one nucleus to the border of that which supports it
from the neutron to the valence electron	center of one nucleus to the border of that which supports it
from the neutron to the valence electron	center of one nucleus to the border of that which supports it
from the neutron to the valence electron	center of one nucleus to the border of that which supports it
from the neutron to the valence electron	center of one nucleus to the border of that which supports it
from the neutron to the valence electron	center of one nucleus to the border of that which supports it
How strong the nucleus is	The force between the electrons
How strong the nucleus is	The force between the electrons
How strong the nucleus is	The force between the electrons
How strong the nucleus is	The force between the electrons

How strong the nucleus is	The force between the electrons
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How strong the nucleus is	The force between the electrons
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How strong the nucleus is	The force between the electrons
How strong the nucleus is	The force between the electrons
Radius decreases in size	Radius increases in size
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Radius decreases in size	Radius increases in size
similar nuclei can't attract	similar nuclei can attract
similar nuclei can't attract	similar nuclei can attract

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argon	helium
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argon	helium
argon	helium
they orient as close together as possible	they orient as far away as possible
they orient as close together as possible	they orient as far away as possible
they orient as close together as possible	they orient as far away as possible
they orient as close together as possible	they orient as far away as possible
they orient as close together as possible	they orient as far away as possible
they orient as close together as possible	they orient as far away as possible
they orient as close together as possible	they orient as far away as possible
they orient as close together as possible	they orient as far away as possible
they orient as close together as possible	they orient as far away as possible
they orient as close together as possible	they orient as far away as possible
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they orient as close together as possible	they orient as far away as possible
they orient as close together as possible	they orient as far away as possible
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they orient as close together as possible	they orient as far away as possible

Answer 3	Answer 4
the distance across the circle	
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Radius stays the same	Radius disappears
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Radius stays the same	Radius disappears
Radius stays the same	Radius disappears
Radius stays the same	Radius disappears
in m/g	from diameter to radius
in m/g	from diameter to radius
in m/g	from diameter to radius
in m/g	from diameter to radius
in m/g	from diameter to radius
in m/g	from diameter to radius
in m/g	from diameter to radius
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in m/g	from diameter to radius
in m/g	from diameter to radius
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in m/g	from diameter to radius
in m/g	from diameter to radius
A strong attractive force between nucleons and the nuclei of 2 atoms	The force between 2 neutrons
A strong attractive force between nucleons and the nuclei of 2 atoms	The force between 2 neutrons
A strong attractive force between nucleons and the nuclei of 2 atoms	The force between 2 neutrons
A strong attractive force between nucleons and the nuclei of 2 atoms	The force between 2 neutrons

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A strong attractive force between nucleons and the nuclei of 2 atoms	The force between 2 neutrons
Radius stays same	
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Radius stays same	
similar nuclei don't exist	similar neutrons can attract
similar nuclei don't exist	similar neutrons can attract

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similar nuclei don't exist	similar neutrons can attract

gold	neon
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gold	neon
electron repulsion doesn't effect orientation	
electron repulsion doesn't effect orientation	
electron repulsion doesn't effect orientation	
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electron repulsion doesn't effect orientation	

Correct Answers	Time Allotted to Answer (seconds)
the distance from the center of the circle to the outside of the circle	20
the distance from the center of the circle to the outside of the circle	20
the distance from the center of the circle to the outside of the circle	20
the distance from the center of the circle to the outside of the circle	20
the distance from the center of the circle to the outside of the circle	20
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the distance from the center of the circle to the outside of the circle	20
the distance from the center of the circle to the outside of the circle	20
the distance from the center of the circle to the outside of the circle	20
Radius gets smaller	20
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Radius gets smaller	20
center of one nucleus to the border of that which supports it	20
center of one nucleus to the border of that which supports it	20
center of one nucleus to the border of that which supports it	20
center of one nucleus to the border of that which supports it	20
center of one nucleus to the border of that which supports it	20
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center of one nucleus to the border of that which supports it	20
center of one nucleus to the border of that which supports it	20
center of one nucleus to the border of that which supports it	20
A strong attractive force between nucleons and the nuclei of 2 atoms	20
A strong attractive force between nucleons and the nuclei of 2 atoms	20
A strong attractive force between nucleons and the nuclei of 2 atoms	20
A strong attractive force between nucleons and the nuclei of 2 atoms	20

A strong attractive force between nucleons and the nuclei of 2 atoms	20
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A strong attractive force between nucleons and the nuclei of 2 atoms	20
Radius increases in size	20
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similar nuclei can't attract	20
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they orient as far away as possible	20
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Players
Alec S
Ashley
Chelsea
CreativePanther21
Curleys Wife
Dahlia
Katie
LIAM
Lindsey
Macin
Max
Michael
Owen
Reece
Rhys

Shane
david
gina
julia
maddie
mason
mckenna
sebastian
sydney
troy
Alec S
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Max
Michael
Owen
Reece

Rhys
Shane
david
gina
julia
maddie
mason
mckenna
sebastian
sydney
troy

Answer	Correct / Incorrect	Correct
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
	Incorrect	0
	Incorrect	0
	Incorrect	0
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1

the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance across the circle	Incorrect	0
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
the distance from the center of the circle to the outside of the circle	Correct	1
Radius gets smaller	Correct	1
Radius gets smaller	Correct	1
Radius gets smaller	Correct	1
	Incorrect	0
	Incorrect	0
Radius gets smaller	Correct	1

Radius gets bigger	Incorrect	0
Radius gets smaller	Correct	1
Radius gets bigger	Incorrect	0
Radius stays the same	Incorrect	0
Radius gets smaller	Correct	1
Radius gets smaller	Correct	1
Radius gets smaller	Correct	1
Radius gets smaller	Correct	1
Radius gets bigger	Incorrect	0
Radius gets smaller	Correct	1
Radius gets smaller	Correct	1
Radius gets smaller	Correct	1
Radius gets smaller	Correct	1
	Incorrect	0
Radius gets smaller	Correct	1
Radius gets bigger	Incorrect	0

Radius gets smaller	Correct	1
Radius gets smaller	Correct	1
Radius gets smaller	Correct	1
from the neutron to the valence electron	Incorrect	0
center of one nucleus to the border of that which supports it	Correct	1
center of one nucleus to the border of that which supports it	Correct	1
	Incorrect	0
	Incorrect	0
from the neutron to the valence electron	Incorrect	0
	Incorrect	0
from the neutron to the valence electron	Incorrect	0
center of one nucleus to the border of that which supports it	Correct	1
center of one nucleus to the border of that which supports it	Correct	1
from the neutron to the valence electron	Incorrect	0
center of one nucleus to the border of that which supports it	Correct	1
center of one nucleus to the border of that which supports it	Correct	1

center of one nucleus to the border of that which supports it	Correct	1
center of one nucleus to the border of that which supports it	Correct	1
from the neutron to the valence electron	Incorrect	0
center of one nucleus to the border of that which supports it	Correct	1
center of one nucleus to the border of that which supports it	Correct	1
center of one nucleus to the border of that which supports it	Correct	1
center of one nucleus to the border of that which supports it	Correct	1
center of one nucleus to the border of that which supports it	Correct	1
center of one nucleus to the border of that which supports it	Correct	1
center of one nucleus to the border of that which supports it	Correct	1
center of one nucleus to the border of that which supports it	Correct	1
center of one nucleus to the border of that which supports it	Correct	1
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
The force between the electrons	Incorrect	0
The force between the electrons	Incorrect	0
	Incorrect	0

	Incorrect	0
	Incorrect	0
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
The force between the electrons	Incorrect	0
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
How strong the nucleus is	Incorrect	0
How strong the nucleus is	Incorrect	0
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
How strong the nucleus is	Incorrect	0
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
The force between the electrons	Incorrect	0
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1

A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
A strong attractive force between nucleons and the nuclei of 2 atoms	Correct	1
Radius increases in size	Correct	1
Radius increases in size	Correct	1
Radius increases in size	Correct	1
	Incorrect	0
	Incorrect	0
Radius increases in size	Correct	1
Radius increases in size	Correct	1
Radius increases in size	Correct	1
Radius stays same	Incorrect	0
Radius increases in size	Correct	1
Radius decreases in size	Incorrect	0

Radius increases in size	Correct	1
Radius increases in size	Correct	1
Radius increases in size	Correct	1
Radius increases in size	Correct	1
Radius decreases in size	Incorrect	0
Radius decreases in size	Incorrect	0
Radius increases in size	Correct	1
Radius increases in size	Correct	1
Radius increases in size	Correct	1
Radius increases in size	Correct	1
Radius increases in size	Correct	1
Radius decreases in size	Incorrect	0
Radius increases in size	Correct	1
Radius decreases in size	Incorrect	0
similar nuclei can't attract	Correct	1
similar nuclei can't attract	Correct	1

similar nuclei can't attract	Correct	1
	Incorrect	0
	Incorrect	0
	Incorrect	0
similar neutrons can attract	Incorrect	0
	Incorrect	0
similar neutrons can attract	Incorrect	0
	Incorrect	0
similar nuclei can't attract	Correct	1
similar nuclei can't attract	Correct	1
similar nuclei don't exist	Incorrect	0
similar nuclei can't attract	Correct	1
similar neutrons can attract	Incorrect	0
similar nuclei can't attract	Correct	1
similar nuclei can attract	Incorrect	0
similar nuclei can't attract	Correct	1

similar nuclei can't attract	Correct	1
similar neutrons can attract	Incorrect	0
similar nuclei can't attract	Correct	1
similar neutrons can attract	Incorrect	0
similar nuclei can attract	Incorrect	0
similar nuclei can't attract	Correct	1
similar nuclei can attract	Incorrect	0
true	Correct	1
true	Correct	1
true	Correct	1
	Incorrect	0
	Incorrect	0
	Incorrect	0
false	Incorrect	0
true	Correct	1
true	Correct	1

false	Incorrect	0
false	Incorrect	0
true	Correct	1
true	Correct	1
true	Correct	1
false	Incorrect	0
false	Incorrect	0
true	Correct	1
true	Correct	1
false	Incorrect	0
true	Correct	1
false	Incorrect	0
true	Correct	1
true	Correct	1
false	Incorrect	0
true	Correct	1

false	Incorrect	0
false	Incorrect	0
true	Correct	1
	Incorrect	0
	Incorrect	0
	Incorrect	0
false	Incorrect	0
false	Incorrect	0
true	Correct	1
false	Incorrect	0
true	Correct	1
false	Incorrect	0
false	Incorrect	0
true	Correct	1
false	Incorrect	0
true	Correct	1

false	Incorrect	0
false	Incorrect	0
false	Incorrect	0
false	Incorrect	0
true	Correct	1
true	Correct	1
false	Incorrect	0
false	Incorrect	0
false	Incorrect	0
helium	Correct	1
helium	Correct	1
helium	Correct	1
	Incorrect	0
	Incorrect	0
	Incorrect	0
helium	Correct	1

helium	Correct	1
helium	Correct	1
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helium	Correct	1
helium	Correct	1

helium	Correct	1
helium	Correct	1
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1
	Incorrect	0
	Incorrect	0
	Incorrect	0
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1
electron repulsion doesn't effect orientation	Incorrect	0
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1

they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1
electron repulsion doesn't effect orientation	Incorrect	0
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1
they orient as far away as possible	Correct	1

Incorrect	Score (points)	Score without Answer Streak Bonus (points)
0	738	738
0	848	848
0	613	613
1	0	0
1	0	0
1	0	0
0	763	763
0	718	718
0	713	713
0	668	668
0	933	933
0	673	673
0	890	890
0	988	988
0	865	865

0	858	858
0	803	803
1	0	0
0	723	723
0	873	873
0	1000	1000
0	700	700
0	690	690
0	698	698
0	823	823
0	758	658
0	1035	935
0	1015	915
1	0	0
1	0	0
0	648	648

1	0	0
0	663	563
1	0	0
1	0	0
0	823	723
0	1045	945
0	1010	910
0	1078	978
1	0	0
0	943	843
0	960	860
0	893	893
0	990	890
1	0	0
0	1085	985
1	0	0

0	875	775
0	763	663
0	988	888
1	0	0
0	830	630
0	773	573
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
0	763	763
0	650	650
1	0	0
0	1050	850
0	810	610

0	1200	1000
0	760	760
1	0	0
0	958	758
0	655	555
0	878	678
0	705	705
0	1188	988
0	758	758
0	1090	890
0	933	733
0	1070	870
0	570	570
1	0	0
1	0	0
1	0	0

1	0	0
1	0	0
0	693	693
0	528	528
0	753	653
1	0	0
0	873	873
1	0	0
1	0	0
0	1283	983
0	910	810
1	0	0
0	1165	865
1	0	0
0	1083	783
0	780	680

0	1278	978
0	918	818
0	1015	715
0	1068	768
0	1195	895
0	925	825
0	963	963
0	938	938
1	0	0
1	0	0
0	930	930
0	723	623
0	875	775
1	0	0
0	553	553
1	0	0

0	958	958
0	723	723
0	1385	985
0	888	688
1	0	0
1	0	0
0	785	785
0	1115	715
0	785	585
0	1388	988
0	903	703
1	0	0
0	1040	640
1	0	0
0	725	525
0	833	733

0	658	558
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
0	880	880
0	613	513
1	0	0
0	1500	1000
1	0	0
0	730	730
1	0	0
0	643	543

0	1230	730
1	0	0
0	1480	980
1	0	0
1	0	0
0	1238	738
1	0	0
0	1045	745
0	1035	835
0	1168	968
1	0	0
1	0	0
1	0	0
1	0	0
0	738	738
0	895	895

1	0	0
1	0	0
0	1178	978
0	883	883
0	1500	1000
1	0	0
1	0	0
0	828	828
0	1115	915
1	0	0
0	968	968
1	0	0
0	860	860
0	933	933
1	0	0
0	930	930

1	0	0
1	0	0
0	850	550
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
0	708	608
1	0	0
0	918	918
1	0	0
1	0	0
0	1500	1000
1	0	0
0	718	718

1	0	0
1	0	0
1	0	0
1	0	0
0	985	985
0	835	735
1	0	0
1	0	0
1	0	0
0	935	935
0	970	970
0	1323	923
1	0	0
1	0	0
1	0	0
0	848	848

0	668	668
0	983	783
0	688	688
0	1008	908
0	795	795
0	880	880
0	1483	983
0	930	930
0	903	803
0	745	745
0	913	913
0	755	755
0	733	733
0	1088	988
0	1008	808
0	843	843

0	973	973
0	775	775
0	788	688
0	1040	940
0	1290	790
1	0	0
1	0	0
1	0	0
0	623	523
0	718	618
0	830	530
1	0	0
0	1083	883
0	1015	915
0	820	720
0	1488	988

0	640	540
0	735	535
0	805	705
0	770	670
0	960	860
1	0	0
0	1200	1000
0	965	665
0	933	833
0	953	853
0	853	753

Current Total Score (points)	Answer Time (%)
738	52.50%
848	30.50%
613	77.50%
0	100.00%
0	100.00%
0	100.00%
763	47.50%
718	56.50%
713	57.50%
668	66.50%
933	13.50%
673	65.50%
890	22.00%
988	2.50%
865	27.00%

858	28.50%
803	39.50%
0	46.00%
723	55.50%
873	25.50%
1000	2.00%
700	60.00%
690	62.00%
698	60.50%
823	35.50%
1496	68.50%
1883	13.00%
1628	17.00%
0	100.00%
0	100.00%
648	70.50%

763	38.50%
1381	87.50%
713	33.00%
668	99.00%
1756	55.50%
1718	11.00%
1900	18.00%
2066	4.50%
865	30.50%
1801	31.50%
1763	28.00%
893	21.50%
1713	22.00%
873	100.00%
2085	3.00%
700	57.50%

1565	45.00%
1461	67.50%
1811	22.50%
1496	71.50%
2713	74.00%
2401	85.50%
0	100.00%
0	100.00%
648	75.50%
763	100.00%
1381	45.00%
1476	47.50%
1318	70.00%
1756	17.00%
2768	30.00%
2710	78.00%

3266	1.50%
1625	48.00%
1801	73.00%
2721	48.50%
1548	89.00%
2591	64.50%
1578	59.00%
3273	2.50%
1458	48.50%
2655	22.00%
2394	53.50%
2881	26.00%
2066	86.00%
2713	14.00%
2401	96.00%
0	100.00%

0	100.00%
648	100.00%
1456	61.50%
1909	94.50%
2229	69.50%
1318	84.00%
2629	25.50%
2768	97.50%
2710	87.50%
4549	3.50%
2535	38.00%
1801	35.00%
3886	27.00%
1548	82.50%
3674	43.50%
2358	64.00%

4551	4.50%
2376	36.50%
3670	57.00%
3462	46.50%
4076	21.00%
2991	35.00%
3676	7.50%
3339	12.50%
0	100.00%
0	100.00%
1578	14.00%
2179	75.50%
2784	45.00%
2229	15.00%
1871	89.50%
2629	41.50%

3726	8.50%
3433	55.50%
5934	3.00%
3423	62.50%
1801	48.50%
3886	39.00%
2333	43.00%
4789	57.00%
3143	83.00%
5939	2.50%
3279	59.50%
3670	24.00%
4502	72.00%
4076	27.50%
3716	95.00%
4509	53.50%

3997	88.50%
0	100.00%
0	100.00%
1578	100.00%
2179	66.00%
2784	100.00%
2229	94.00%
1871	100.00%
3509	24.00%
4339	97.50%
3433	96.50%
7434	1.50%
3423	59.00%
2531	54.00%
3886	75.00%
2976	91.50%

6019	54.00%
3143	74.50%
7419	4.00%
3279	90.50%
3670	48.50%
5740	52.50%
4076	85.50%
4761	51.00%
5544	33.00%
5165	6.50%
0	100.00%
0	100.00%
1578	100.00%
2179	13.00%
3522	52.50%
3124	21.00%

1871	44.00%
3509	11.00%
5517	4.50%
4316	23.50%
8934	2.00%
3423	29.50%
2531	25.00%
4714	34.50%
4091	17.00%
6019	15.00%
4111	6.50%
7419	3.50%
4139	28.00%
4603	13.50%
5740	6.00%
5006	14.00%

4761	25.00%
5544	5.00%
6015	90.00%
0	100.00%
0	100.00%
1578	100.00%
2179	26.00%
3522	84.00%
3832	78.50%
1871	95.50%
4427	16.50%
5517	30.00%
4316	19.50%
10434	1.50%
3423	23.50%
3249	56.50%

4714	72.00%
4091	29.00%
6019	85.50%
4111	47.00%
8404	3.00%
4974	53.00%
4603	45.00%
5740	68.50%
5006	94.00%
5696	13.00%
6514	6.00%
7338	15.50%
0	100.00%
0	100.00%
1578	100.00%
3027	30.50%

4190	66.50%
4815	43.50%
2559	62.50%
5435	18.50%
6312	41.00%
5196	24.00%
11917	3.50%
4353	14.00%
4152	39.50%
5459	51.00%
5004	17.50%
6774	49.00%
4844	53.50%
9492	2.50%
5982	38.50%
5446	31.50%

6713	5.50%
5781	45.00%
6484	62.50%
7554	12.00%
8628	42.00%
0	100.00%
0	100.00%
1578	100.00%
3650	95.50%
4908	76.50%
5645	94.00%
2559	98.00%
6518	23.50%
7327	17.00%
6016	56.00%
13405	2.50%

4993	92.00%
4887	93.00%
6264	59.00%
5774	66.00%
7734	28.00%
4844	52.00%
10692	1.50%
6947	67.00%
6379	33.50%
7666	29.50%
6634	49.50%

Answer Time (seconds)
10,5
6,1
15,5
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9,5
11,3
11,5
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13,1
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11,1
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12
12,4
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14,1

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