

Unit 4 Ionic Radius Trend

Played on	12 Nov 2019
Hosted by	anonymous
Played with	1 player
Played	12 of 12

Overall Performance

Total correct answers (%)	100,00
Total incorrect answers (%)	0,00%
Average score (points)	14641



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

0%
0,00 points

ut of 5			
Yes	0,00% No		
Yes	0,00% No		
0,00% Positive		0,00% Neutral	

--

Overview

0,00% Negative

Final Scores

Unit 4 Ionic Radius Trend

Final Scores

Rank	Players
1	Ryan Patel

Final Scores

Total Score (points)	Correct Answers	Incorrect Answers
14641	12	0

Unit 4 Ionic Radius Trend

Kahoot! Summary

Rank	Players
1	Ryan Patel

Kahoot! Summary

Total Score (points)	Q1
14641	823

Kahoot! Summary

Atoms form ions when they	Q2
lose or gain electrons	815

Kahoot! Summary

As you move right to left across the periodic table...	Q3
Ionic radii decrease, get larger, then decrease again	1005

Kahoot! Summary

When neutral atoms become ions,	Q4
cations have smaller ionic radii than anions	1078

Kahoot! Summary

Which atom will form the largest cation?	Q5
Fr+1	1860

Kahoot! Summary

Which factor does not affect Coulomb's Law?	Q6
proton to neutron ratio	1237

Kahoot! Summary

Which nonmetal atom forms the smallest anion?	Q7	
	F -1	1248

Kahoot! Summary

What is an ion called that loses electrons?	Q8
A cation (+)	1397

Kahoot! Summary

What is an ion called that gains electrons?	Q9
An anion (-)	1310

Kahoot! Summary

Which is true for nonmetals that become anions?	Q10
the atom gains electrons	1303

Kahoot! Summary

Which is larger, the atom or the anion?	Q11
Nitride ion (N ³⁻)	1425

Kahoot! Summary

Which is larger, the atom or the ion?	Q12
Magnesium atom (Mg)	1140

Kahoot! Summary

Which group of the periodic table does not form ions?
Noble Gases

Unit 4 lon
1 Quiz
Correct answers
Players correct (
Question duratic
Answer Sum
Answer options
Is answer correc
Number of answ
Average time tal
Answer Deta
Players
Ryan Patel

Atomic Radius Trend	
Atoms form ions when they	
s	lose or g
(%)	100,00%
on	30 secur

Summary	
	▲
st?	
ers received	
ken to answer (seconds)	

Hails	
	Answer
	✓

ain electrons
,
nds

lose or gain protons	◆
X	
0	
0,00	

	Score (p
lose or gain electrons	823

1 Quiz

lose or gain neutrons	<div></div>
X	
0	
0,00	

oints)	Current
	823

1 Quiz

lose or gain orbitals	<input type="checkbox"/>
X	
0	
0,00	

Total Score (points)	Answer ti
	10,6

1 Quiz

lose or gain electrons
✓
1
10,60
ime (seconds)

Unit 4 lon
2 Quiz
Correct answers
Players correct (
Question duratic
Answer Sum
Answer options
Is answer correc
Number of answ
Average time tal
Answer Deta
Players
Ryan Patel

Ionic Radius Trend	
As you move&nbspright to left&nbspacross the periodic table...	
s	Ionic rad
(%)	100,00%
on	30 secur

Summary	
	▲
st?	
ers received	
ken to answer (seconds)	

Hails	
	Answer
	✓

2 Quiz

ii decrease, get larger, then decrease again
,
nds

Ionic radii continually increases	◆
X	
0	
0,00	

	Score (p
Ionic radii decrease, get larger, then decrease again	815

2 Quiz

Ionic radii decrease, get larger, then decrease again	<div></div>
✓	
1	
17,10	

oints)	Current
	1638

2 Quiz

Ionic radii stays the same	<input checked="" type="checkbox"/>
X	
0	
0,00	



Total Score (points)	Answer ti
	17,1


2 Quiz

Statement	Percentage
Ionic radii continually decrease	0%
0,00	0,00%
time (seconds)	0%

Unit 4 lon
3 Quiz
Correct answers
Players correct (
Question duratic
Answer Sum
Answer options
Is answer correc
Number of answ
Average time tal
Answer Deta
Players
Ryan Patel




Atomic Radius Trend	
When neutral atoms become ions,	
ions	cations&
(%)	100,00%
on	30 secur

Summary	
	
st?	
ers received	
ken to answer (seconds)	

Hails	
	Answer
	

3 Quiz

.nbsp;have smaller ionic radii than anions
,
nds

cations have smaller ionic radii than anions	
	
1	
11,70	

	Score (p
cations have smaller ionic radii than anions	1005

3 Quiz

There is no difference between cations and anions	<input checked="" type="radio"/>
X	
0	
0,00	

oints)	Current
	2643

3 Quiz

cations have larger ionic radii than anions	<input checked="" type="checkbox"/>
X	
0	
0,00	

Total Score (points)	Answer ti
	11,7

3 Quiz

Method	Time (seconds)
Using the formula	10
Using the area of a sector	5
Using the area of a triangle	3

Unit 4 lon
4 Quiz
Correct answers
Players correct (
Question duratic
Answer Sum
Answer options
Is answer correc
Number of answ
Average time tal
Answer Deta
Players
Ryan Patel

Atomic Radius Trend	
Which atom will form the largest cation?	
s	Fr+1
(%)	100,00%
on	30 secur

Summary	
	▲
st?	
ers received	
ken to answer (seconds)	

Hints	
	Answer
	✓

4 Quiz

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

5000

5100

5200

5300

5400

5500

5600

5700

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6100

6200

6300

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14400

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14700

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14900

15000

15100

15200

15300

15400

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15800

15900

16000

16100

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16300

16400

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16700

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16900

17000

17100

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19000

19100

19200

19300

19400

19500

19600

19700

19800

19900

20000

20100

20200

20300

20400

20500

20600

20700

20800

20900

21000

21100

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31900

32000

32100

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32400

32500

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32900

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33100

33200

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33400

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39400

39500

39600

39700

39800

39900

40000

40100

40200

40300

40400

40500

40600

40700

40800

40900

41000

41100

41200

41300

41400

41500

41600

41700

41800

41900

42000</

F -1	◆
X	
0	
0,00	

	Score (p
Fr+1	1078

Mg+2	<div></div>
X	<div></div>
0	
0,00	

oints)	Current
	3721

4 Quiz



Fr+1	<div></div>
<div>✓</div>	
1	
13,30	


Total Score (points)	Answer ti
	13,3

Al+3
X
0
0,00
ime (seconds)

Unit 4 lon
5 Quiz
Correct answers
Players correct (
Question duratic
Answer Sum
Answer options
Is answer correc
Number of answ
Average time tal
Answer Deta
Players
Ryan Patel

Atomic Radius Trend	
Which factor does not affect Coulomb's Law?	
Distance	proton to electron
Charge	100,00%
Time	30 seconds

Summary	
Correct	
Incorrect	
Answers received	
Time taken to answer (seconds)	

Details	
Answer	
	

5 Quiz

Neutron Ratio	Percentage
neutron ratio	~85%
neutron ratio	~15%
nds	~0%

proton to neutron ratio	◆
✓	
1	
16,20	

	Score (p
proton to neutron ratio	1860

5 Quiz

type of ionic charge	<div></div>
X	
0	
0,00	

oints)	Current
	5581

5 Quiz

distance between ions	<div></div>
X	
0	
0,00	

Total Score (points)	Answer ti
	16,2

Unit 4 lon
6 Quiz
Correct answers
Players correct (
Question duratic
Answer Sum
Answer options
Is answer correc
Number of answ
Average time tal
Answer Deta
Players
Ryan Patel

ic Radius Trend	
Which nonmetal atom forms the smallest anion?	
s	F -1
(%)	100,00%
on	30 secur

nmary	
	▲
st?	
ers received	
ken to answer (seconds)	

ails	
	Answer
	✓

6 Quiz

Response	Percentage
Yes, the U.S. should take action to address climate change	95%
No, the U.S. should not take action to address climate change	5%

N-3	◆
X	
0	
0,00	

	Score (p
F -1	1237

6 Quiz

F -1	●
✓	
1	
15,80	

oints)	Current
	6818

6 Quiz

O-2	<div></div>
X	
0	
0,00	

Total Score (points)	Answer ti
	15,8

He0
X
0
0,00
ime (seconds)

Unit 4 lon
7 Quiz
Correct answers
Players correct (
Question duratic
Answer Sum
Answer options
Is answer correc
Number of answ
Average time tal
Answer Deta
Players
Ryan Patel

Atomic Radius Trend	
What is an ion called that loses electrons?	
;	A cation
(%)	100,00%
on	30 secur

Summary	
	▲
st?	
ers received	
ken to answer (seconds)	

Hails	
	Answer
	✓

(+)
,
nds

An anion (-)	◆
X	
0	
0,00	

	Score (p
A cation (+)	1248

A subatomic particle	<div></div>
X	
0	
0,00	

oints)	Current
	8066

7 Quiz

A cation (+)	<div></div>
<div>✓</div>	
1	
15,10	

Total Score (points)	Answer ti
	15,1

An isotope
X
0
0,00
ime (seconds)

Unit 4 lon
8 Quiz
Correct answers
Players correct (
Question duratic
Answer Sum
Answer options
Is answer correc
Number of answ
Average time tal
Answer Deta
Players
Ryan Patel

ic Radius Trend	
What is an ion called that gains electrons?	
s	An anion
(%)	100,00%
on	30 secor

nmary	
	▲
st?	
ers received	
ken to answer (seconds)	

ails	
	Answer
	✓

8 Quiz

1 (-)
,
nds

A subatomic particle	◆
X	
0	
0,00	

	Score (p
An anion (-)	1397

An isotope	<div></div>
X	
0	
0,00	

oints)	Current
	9463

8 Quiz

A cation (+)	<input type="checkbox"/>
X	
0	
0,00	

Total Score (points)	Answer ti
	6,2

An anion (-)
✓
1
6,20
ime (seconds)


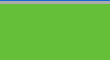
Unit 4 lon
9 Quiz
Correct answers
Players correct (
Question duratic
Answer Sum
Answer options
Is answer correc
Number of answ
Average time tal
Answer Deta
Players
Ryan Patel

Atomic Radius Trend	
Which is true for nonmetals that become anions?	
;	the atom
(%)	100,00%
on	30 secur

Summary	
	▲
st?	
ers received	
ken to answer (seconds)	

Hails	
	Answer
	✓

gains electrons
nds

the atom gains protons	
X	
0	
0,00	

	Score (p
the atom gains electrons	1310

the atom gains electrons	<div></div>
<div>✓</div>	
1	
11,40	

oints)	Current
	10773

9 Quiz

the atom gains neutrons	<input checked="" type="checkbox"/>
X	
0	
0,00	

Total Score (points)	Answer ti
	11,4



Unit 4 lon
10 Quiz
Correct answers
Players correct (
Question duratic
Answer Sum
Answer options
Is answer correc
Number of answ
Average time tal
Answer Deta
Players
Ryan Patel

ic Radius Trend	
Which is larger, the atom or the anion?	
s	Nitride ic
(%)	100,00%
on	30 secur

nmary	
	▲
st?	
ers received	
ken to answer (seconds)	

ails	
	Answer
	✓

on (N-3)
,
nds

Nitrogen atom (N)	
X	
0	
0,00	

	Score (p
Nitride ion (N-3)	1303

Nitride ion (N-3)	<div></div>
<div>✔</div>	
1	
11,80	

oints)	Current
	12076

10 Quiz

Total Score (points)	Answer t
	11,8

10 Quiz

time (seconds)

Unit 4 lon
11 Quiz
Correct answers
Players correct (
Question duratic
Answer Sum
Answer options
Is answer correc
Number of answ
Average time tal
Answer Deta
Players
Ryan Patel




Atomic Radius Trend	
Which is larger, the atom or the ion?	
;	Magnesi
(%)	100,00%
on	30 secur

Summary	
	<div>▲</div>
st?	<div></div>
ers received	
ken to answer (seconds)	

Hints	
	Answer
	<div>✓</div>

11 Quiz

um atom (Mg)
,
nds

Magnesium atom (Mg)	
	
1	
4,50	

	Score (p
Magnesium atom (Mg)	1425

Magnesium ion (Mg+2)	<div></div>
X	
0	
0,00	

oints)	Current
	13501

11 Quiz

Total Score (points)	Answer ti
	4,5

11 Quiz

The diagram illustrates three horizontal bars of different colors (dark blue, medium blue, and light blue) representing different time intervals. The x-axis is labeled "time (seconds)".

Unit 4 lon
12 Quiz
Correct answers
Players correct (
Question duratic
Answer Sum
Answer options
Is answer correc
Number of answ
Average time tal
Answer Deta
Players
Ryan Patel

ic Radius Trend	
Which group of the periodic table does not form ions?	
s	Noble G
(%)	100,00%
on	20 secur

nmary	
	▲
st?	
ers received	
ken to answer (seconds)	

ails	
	Answer
	✓

12 Quiz

ases
,
nds

Alkali metals	◆
X	
0	
0,00	

	Score (p
Noble Gases	1140

Halogens	<div></div>
X	
0	
0,00	

oints)	Current
	14641

12 Quiz

Metalloids	<div><div></div></div>
X	<div><div></div></div>
0	
0,00	

Total Score (points)	Answer ti
	14,4

Element	Time (seconds)
Noble Gases	14,400
	1

Question Number
1 Quiz
2 Quiz
3 Quiz
4 Quiz
5 Quiz
6 Quiz
7 Quiz
8 Quiz
9 Quiz
10 Quiz
11 Quiz
12 Quiz

Question
Atoms form ions when they
As you move right to left across the periodic table...
When neutral atoms become ions,
Which atom will form the largest cation?
Which factor does not affect Coulomb's Law?
Which nonmetal atom forms the smallest anion?
What is an ion called that loses electrons?
What is an ion called that gains electrons?
Which is true for nonmetals that become anions?
Which is larger, the atom or the anion?
Which is larger, the atom or the ion?
Which group of the periodic table does not form ions?

Answer 1	Answer 2
lose or gain protons	lose or gain neutrons
Ionic radii continually increases	Ionic radii decrease, get larger, then decrease again
cations have smaller ionic radii than anions	There is no difference between cations and anions
F -1	Mg+2
proton to neutron ratio	type of ionic charge
N-3	F -1
An anion (-)	A subatomic particle
A subatomic particle	An isotope
the atom gains protons	the atom gains electrons
Nitrogen atom (N)	Nitride ion (N-3)
Magnesium atom (Mg)	Magnesium ion (Mg+2)
Alkali metals	Halogens

Answer 3	Answer 4
lose or gain orbitals	lose or gain electrons
Ionic radii stays the same	Ionic radii continually decrease
cations have larger ionic radii than anions	
Fr+1	Al+3
distance between ions	number of protons in the nucleus
O-2	He0
A cation (+)	An isotope
 A cation (+)	An anion (-)
the atom gains neutrons	the atom gains orbitals
Metalloids	Noble Gases

Correct Answers	Time Allotted to Answer (seconds)
lose or gain electrons	30
Ionic radii decrease, get larger, then decrease again	30
cations have smaller ionic radii than anions	30
Fr+1	30
proton to neutron ratio	30
F -1	30
A cation (+)	30
An anion (-)	30
the atom gains electrons	30
Nitride ion (N-3)	30
Magnesium atom (Mg)	30
Noble Gases	20

Players
Ryan Patel
Ryan Patel
Ryan Patel
Ryan Patel
Ryan Patel
Ryan Patel
Ryan Patel
Ryan Patel
Ryan Patel
Ryan Patel
Ryan Patel
Ryan Patel
Ryan Patel

Answer	Correct / Incorrect	Correct
lose or gain electrons	Correct	1
Ionic radii decrease, get larger, then decrease again	Correct	1
cations have smaller ionic radii than anions	Correct	1
Fr+1	Correct	1
proton to neutron ratio	Correct	1
F -1	Correct	1
A cation (+)	Correct	1
An anion (-)	Correct	1
the atom gains electrons	Correct	1
Nitride ion (N-3)	Correct	1
Magnesium atom (Mg)	Correct	1
Noble Gases	Correct	1

RawReportData Data

Incorrect	Score (points)	Score without Answer Streak Bonus (points)
0	823	823
0	815	715
0	1005	805
0	1078	778
0	1860	1460
0	1237	737
0	1248	748
0	1397	897
0	1310	810
0	1303	803
0	1425	925
0	1140	640

RawReportData Data

Current Total Score (points)	Answer Time (%)
823	35.33%
1638	57.00%
2643	39.00%
3721	44.33%
5581	54.00%
6818	52.67%
8066	50.33%
9463	20.67%
10773	38.00%
12076	39.33%
13501	15.00%
14641	72.00%

Answer Time (seconds)
10,6
17,1
11,7
13,3
16,2
15,8
15,1
6,2
11,4
11,8
4,5
14,4