

HW06 - Periodic Trends

ⓘ This is a preview of the published version of the quiz

Started: Sep 18 at 12:48pm

Quiz Instructions

Homework 06 - Periodic Trends

Question 1

4 pts

Let X be a hypothetical element. Which of the following would be the largest?

X^-

X

X^{2-}

X^{2+}

X^+

Question 2

4 pts

How many valence electrons are in a Kr atom?

7

8

2

0

Question 3**4 pts**

The P^{2-} anion has how many total electrons and how many valence electrons respectively?

17, 8

16, 6

17, 7

18, 8

17, 6

16, 8

16, 7

Question 4**4 pts**

Consider the elements lithium, oxygen, fluorine, and neon. Based on their position in the periodic table, which element would you expect to have the GREATEST tendency to attract a shared pair of electrons?

oxygen

fluorine

lithium

neon

Question 5**4 pts**

The electronegativity of nonmetals is relatively _____ as compared to the electronegativity of metals.

- high
- Depends on the elements being compared.
- the same
- low

Question 6

5 pts

Which of the following elements would be expected to have the highest electronegativity?

- Al
- P
- Na
- He
- C
- N

Question 7

5 pts

Generally speaking, in the periodic table, electronegativity (decreases, increases) when moving from left to right and (decreases, increases) when moving from top to bottom of the periodic table.

- decreases, increases
-

increases, increases

decreases, decreases

increases, decreases

Not saved

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