CALIFORNIA CHEMISTRY · UNIT 1 · 10 QUESTIONS

Atomic Structure and Periodic Properties — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Aluminium has atomic number 13 An aluminium atom has how many valence electrons**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Down a group, ionization energy generally decreases because the outer electrons are**

A Fewer in number

B In the nucleus

C Farther from the nucleus and more shielded

D Closer to the nucleus

Understand It with Pulse | Flag a mistake

3 **An anion is an ion with a**

A Zero charge

B Positive charge from losing electrons

C Negative charge from gaining electrons

D Positive charge from gaining protons

Understand It with Pulse | Flag a mistake

4 **A cation is an ion with a**

A Positive charge

B Negative charge

C Zero charge

D Neutron excess

Understand It with Pulse | Flag a mistake

5 **The ionic charge of magnesium, group 2, is normally**

A 2+

B 1-

C 1+

D 2-

Understand It with Pulse | Flag a mistake

6 **The ionic charge of oxygen, group 16, is normally**

A 2+

B 2-

C 1+

D 1-

Understand It with Pulse | Flag a mistake

7 **A periodic trend that increases up and to the right is**

A Metallic character

B Electronegativity

C Number of shells

D Atomic radius

Understand It with Pulse | Flag a mistake

8 **The elements in group 17 are called the**

A Noble gases

B Alkaline earth metals

C Halogens

D Alkali metals

Understand It with Pulse | Flag a mistake

9 **The elements in group 1 are called the**

A Alkali metals

B Halogens

C Transition metals

D Noble gases

Understand It with Pulse | Flag a mistake

10 **Copper has atomic number 29 and mass number 63 The number of neutrons in a copper atom is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	3	**5.**	A	**9.**	A
2.	C	**6.**	B	**10.**	34
3.	C	**7.**	B		
4.	A	**8.**	C		

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