

ATOMS AND BONDING MCQ WORKSHEET

Circle the correct option.

- The _____ increases by one as we go from left to right in a periodic table.
 - Atomic number
 - Atomic mass
 - Total number of neutrons
 - Electropositivity

- The noble gases tend to be inert because they have _____ electrons in their outermost shell.
 - 1
 - 0
 - 4
 - 8

- Which of the following statements doesn't apply to valence electrons?
 - They make up most of the atom's mass
 - They are transferred in ionic bonds
 - They are shared in covalent bonds
 - They are held together loosely by the nucleus of the atom

- A covalent bond is _____ if the atoms share the electrons in the bond equally.
 - Double
 - Polar
 - Non-polar
 - Tripled

- The bond between a metallic cation and a delocalized sea of electrons is
 - Ionic
 - Metallic
 - Covalent
 - Organic

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Answers

1. The _____ increases by one as we go from left to right in a periodic table.

- (a) Atomic number
- (b) Atomic mass
- (c) Total number of neutrons
- (d) Electropositivity

2. The noble gases tend to be inert because they have _____ electrons in their outermost shell.

- (a) 1
- (b) 0
- (c) 4
- (d) 8

3. Which of the following statements doesn't apply to valence electrons?

- (a) They make up most of the atom's mass
- (b) They are transferred in ionic bonds
- (c) They are shared in covalent bonds
- (d) They are held together loosely by the nucleus of the atom

4. A covalent bond is _____ if the atoms share the electrons in the bond equally.

- (a) Double
- (b) Polar
- (c) Non-polar
- (d) Tripled

5. The bond between a metallic cation and a delocalized sea of electrons is

- (a) Ionic
- (b) Metallic
- (c) Covalent
- (d) Organic