

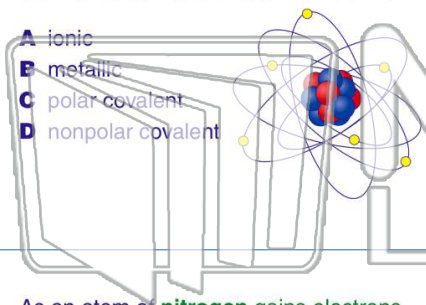


Name _____ Class _____ Date _____

1

Which **type of bond** exists between an atom of carbon and an atom of fluorine?

- A ionic
- B metallic
- C polar covalent
- D nonpolar covalent



2

The **oxidation number** of a **reducing agent** can change from

- A -1 to -3
- B -2 to -1
- C 3 to -1
- D 4 to -3

3

As an atom of **nitrogen** gains electrons, its **oxidation number**

A decreases

7

4

What is the total number of occupied sublevels in the **third principal energy level** of a **zinc atom** in the ground state?

5



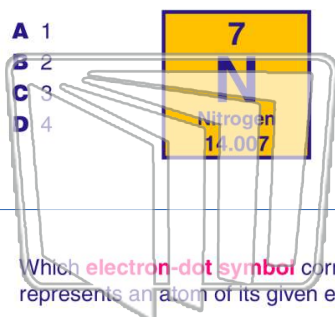
PREVIEW

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7

in the ground state?

- A 1
- B 2
- C 3
- D 4



must have

- A a greater number of electrons
- B a smaller number of electrons
- C an electron with greater energy
- D an electron with less energy

9

Which **electron-dot symbol** correctly represents an atom of its given element?

- A $\ddot{S}\cdot$
- B $\ddot{Al}\cdot$
- C $\ddot{Li}\cdot$
- D $\cdot\ddot{B}\cdot$

10

Which statement best describes the substance that results when electrons are **transferred from a metal to a nonmetal**?

- A It contains ionic bonds and has a low melting point.
- B It contains ionic bonds and has a high melting point.
- C It contains covalent bonds and has a low melting point.
- D It contains covalent bonds and has a high melting point.

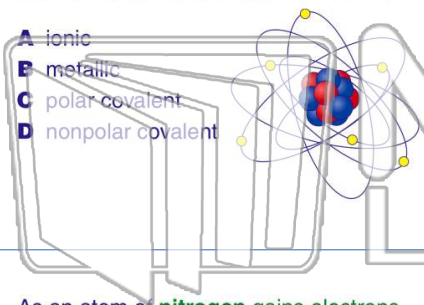


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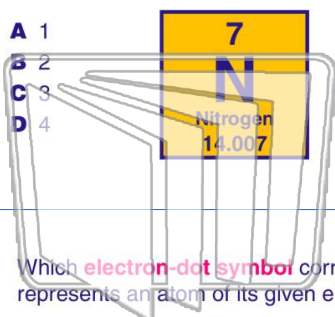
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