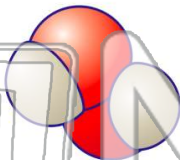




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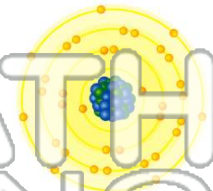
1 The **formula** H_2O_2 is an example of

A a molecular formula
 B an empirical formula
 C an ionic formula
 D an organic formula



2 Which type of bond is formed when an atom of potassium **transfers** an electron to a bromine atom?

A metallic
 B ionic
 C nonpolar covalent
 D polar covalent



3 What is the **simplest ratio** of **nitrogen to oxygen** atoms in the compound **nitrogen (IV) oxide**?

4 A diamond crystal **differs** from an ice crystal in that a diamond crystal

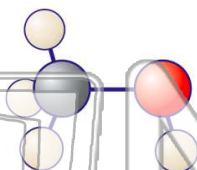


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7 _____
 in CH_3OH ?

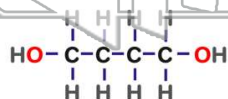
- A ionic
 B electrovalent
 C polar covalent
 D nonpolar covalent



- A Na_2SO_3
 B Na_2SO_4
 C $NaSO_3$
 D $NaSO_4$



9 Given the structural formula:

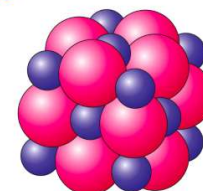


What is the **empirical formula** of this compound?

- A CH_3O C $C_4H_{10}O_2$
 B C_2H_5O D $C_8H_{20}O_4$

10 Which **type of bond** is found in **sodium bromide**?

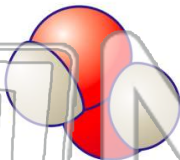
- A covalent
 B hydrogen
 C ionic
 D metallic



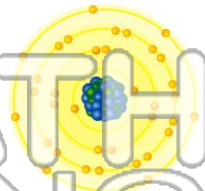


Name _____ Class _____ Date _____

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7 _____ in CH_3OH ?

- A** ionic
- B** electrovalent
- C** polar covalent
- D** nonpolar covalent



- A** Na_2SO_3
- B** Na_2SO_4
- C** $NaSO_3$
- D** $NaSO_4$



9 Given the structural formula:

$$\begin{array}{ccccccc}
 & H & H & H & H & & \\
 & | & | & | & | & & \\
 HO & -C & -C & -C & -C & -OH \\
 & | & | & | & | & & \\
 & H & H & H & H & &
 \end{array}$$

- What is the **empirical formula** of this compound?
- A** CH_3O
 - B** C_2H_5O
 - C** $C_4H_{10}O_2$
 - D** $C_8H_{20}O_4$

10 Which **type of bond** is found in **sodium bromide**?

- A** covalent
- B** hydrogen
- C** ionic
- D** metallic

