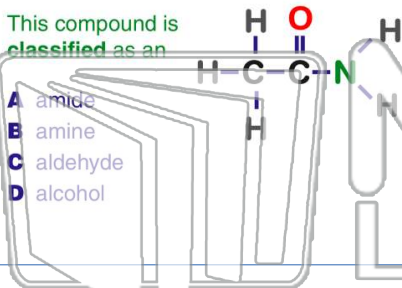




Name _____ Class _____ Date _____

1 Given the structural formula:

This compound is classified as an



- A amide
- B amine
- C aldehyde
- D alcohol

2 Which formula **correctly** represents antimony (V) oxide?

- A SbO_5
- B Sb_5O
- C Sb_2O_5
- D Sb_5O_2

3 **Metallic bonding** occurs between metal atoms that have

- A full valence orbitals and low ionization energy

4 Which substance contains a bond with the **greatest ionic character**?

- A KCl

5

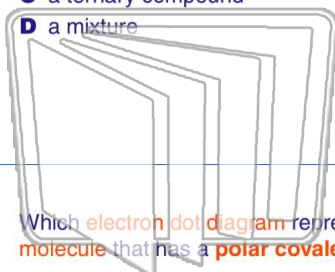


PREVIEW

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7

- A an element
- B a binary compound
- C a ternary compound
- D a mixture



- A CO_2 and CO
- B C_2H_2 and CH_2
- C C_6H_6 and C_2H_2
- D P_4O_{10} and P_2O_5

9 Which **electron dot diagram** represents a molecule that has a **polar covalent bond**?

- A $H \times \overset{\cdot\cdot}{\underset{\cdot\cdot}{Cl}} \times$
- B $Li^+ [\overset{\cdot\cdot}{\underset{\cdot\cdot}{Cl}}]^-$
- C $\overset{\times\times}{\underset{\times\times}{Cl}} \times \overset{\times\times}{\underset{\times\times}{Cl}} \times$
- D $K^+ [\overset{\cdot\cdot}{\underset{\cdot\cdot}{Cl}}]^-$

10 As **energy** is released during the **formation of a bond**, the **stability** of the chemical system generally will

- A decrease
- B increase
- C remain the same

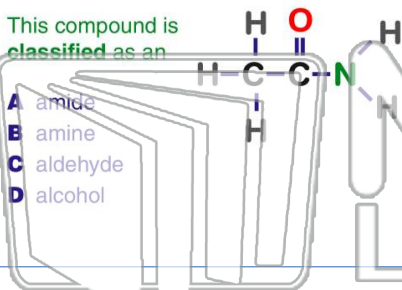




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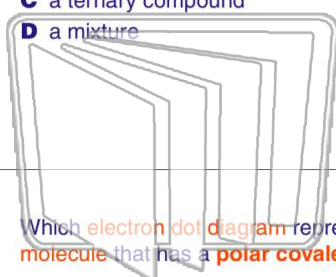


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