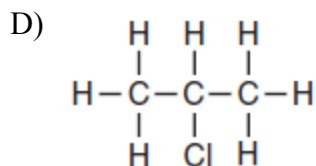
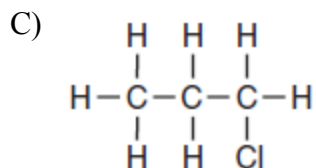
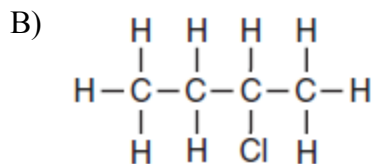
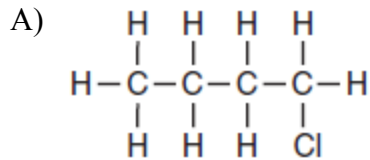


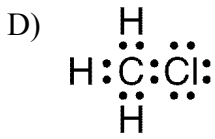
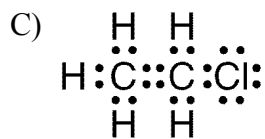
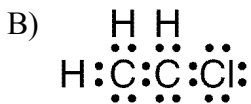
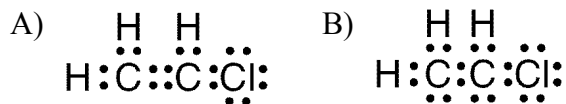
1. Which formula represents a molecule of 2-chlorobutane?



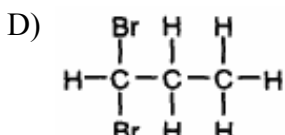
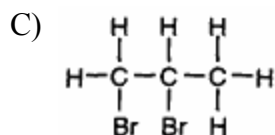
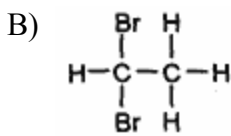
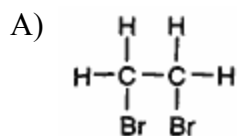
2. Which class of compounds contains *at least one* element from Group 17 of the Periodic Table?

- A) aldehyde B) amine
C) ester D) halide

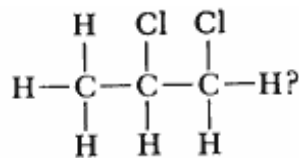
3. Which Lewis electron-dot diagram represents chloroethene?



4. Which structural formula represents 1,1-dibromopropane?

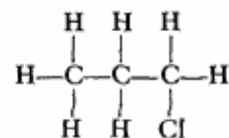


5. What is the correct IUPAC name for



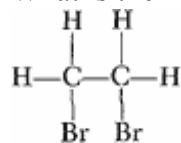
- A) 1,2-dichlorobutane
B) 2,3-dichlorobutane
C) 1,2-dichloropropane
D) 2,3-dichloropropane

6. What is the correct IUPAC name of the following compound?



- A) ethane B) propane
C) 3-chloropropane D) 1-chloropropane

7. What is the IUPAC name for the compound below?

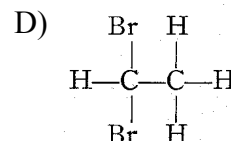
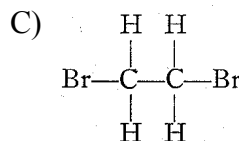
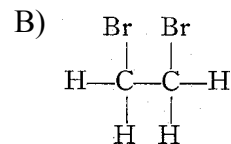
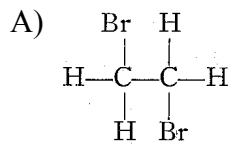


- A) dibromoethyne
B) dibromoethane
C) 1, 2-dibromoethyne
D) 1, 2-dibromoethane

8. The isomers 1-chloropropane and 2-chloropropane differ only in

- A) molecular composition
B) molecular structure
C) the number of chloro- groups per molecule
D) the number of carbon atoms per molecule

9. What is the correct formula of 1,1-dibromoethane?



10. Which is an isomer of 2-chloropropane?

- A) butane B) propane
C) 1-chlorobutane D) 1-chloropropane

11. Which is the structure for 1,2-dibromoethane?

- A) $\begin{array}{c} \text{H} \\ | \\ \text{Br}-\text{C}-\text{Br} \\ | \\ \text{H} \end{array}$ B) $\begin{array}{c} \text{H} \quad \text{H} \\ | \quad | \\ \text{H}-\text{C}-\text{C}-\text{H} \\ | \quad | \\ \text{Br} \quad \text{Br} \end{array}$
- C) $\begin{array}{c} \text{H} \quad \text{Br} \\ | \quad | \\ \text{H}-\text{C}-\text{C}-\text{Br} \\ | \quad | \\ \text{H} \quad \text{H} \end{array}$ D) $\begin{array}{c} \text{H} \quad \text{Br} \quad \text{Br} \\ | \quad | \quad | \\ \text{H}-\text{C}-\text{C}-\text{C}-\text{H} \\ | \quad | \quad | \\ \text{H} \quad \text{H} \quad \text{H} \end{array}$
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