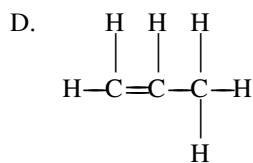
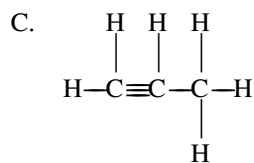
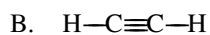
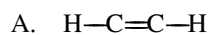


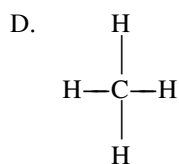
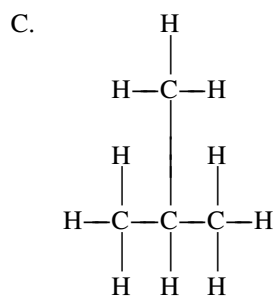
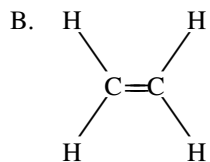
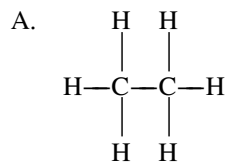
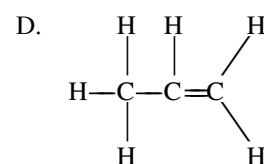
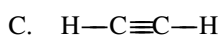
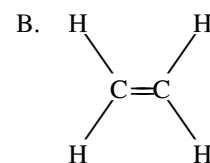
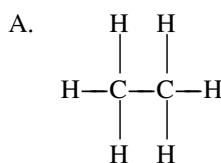
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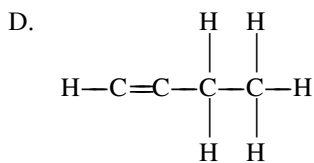
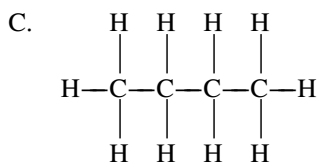
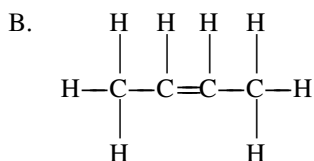
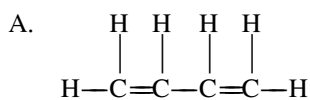
1. Which is the correct structural formula of propene?



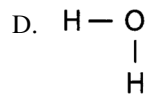
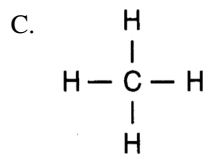
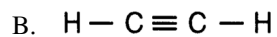
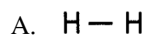
2. Which is the structural formula of methane?

3. Which structural formula represents a member of the series of hydrocarbons having the general formula $\text{C}_n\text{H}_{2n-2}$?

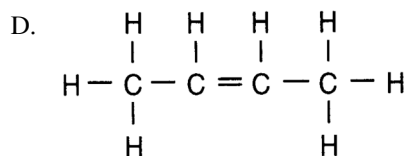
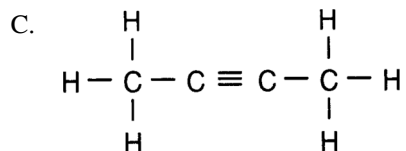
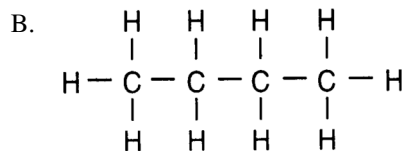
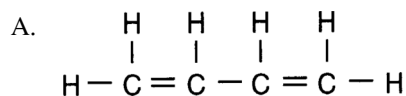
4. Which structural formula represents a molecule of butane?



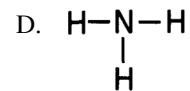
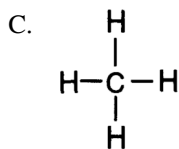
5. Which structural formula represents a polar molecule?



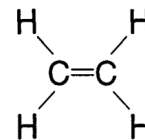
6. Which structural formula represents a member of the alkene series?



7. Which representation is the structural formula of an organic compound?



8. What is the correct name for the substance represented by the structural formula below?



A. acetylene

B. benzene

C. ethene

D. propene

9. Which structural formula is incorrect?

- A. $\begin{array}{c} \text{H} \\ | \\ \text{H}-\text{C}-\text{Cl} \\ | \\ \text{H} \end{array}$
- B. $\begin{array}{c} \text{H} \quad \quad \text{H} \\ \diagdown \quad \diagup \\ \text{C}=\text{C} \\ \diagup \quad \diagdown \\ \text{H} \quad \quad \text{H} \end{array}$
- C. $\begin{array}{c} \text{O} \\ || \\ \text{H}-\text{C}-\text{OH} \end{array}$
- D. $\begin{array}{c} \text{H} \quad \text{H} \quad \text{H} \\ \diagdown \quad | \quad | \\ \text{C}=\text{C}-\text{C}-\text{H} \\ \diagup \quad | \quad | \\ \text{H} \quad \text{H} \quad \text{H} \end{array}$

10. Which structural formula *correctly* represents a hydrocarbon molecule?

- A. $\begin{array}{c} \text{H} \quad \quad \text{H} \\ \diagdown \quad \diagup \\ \text{C}-\text{C} \\ \diagup \quad \diagdown \\ \text{H} \quad \quad \text{H} \end{array}$
- B. $\begin{array}{c} \text{H} \quad \quad \text{H} \\ \diagdown \quad \diagup \\ \text{C}=\text{C} \\ \diagup \quad \diagdown \\ \text{H} \quad \quad \text{H} \end{array}$
- C. $\begin{array}{c} \text{H} \quad \quad \text{H} \\ | \quad \quad | \\ \text{H}-\text{C}-\text{C} \\ | \quad \quad || \\ \text{H} \quad \quad \text{O} \end{array}$
- D. $\begin{array}{c} \text{H} \quad \quad \text{H} \\ \diagdown \quad \diagup \\ \text{C}\equiv\text{C} \\ \diagup \quad \diagdown \\ \text{H} \quad \quad \text{H} \end{array}$

11. Which structural formula represents an unsaturated hydrocarbon?

- A. $\begin{array}{c} \text{H} \quad \text{H} \\ | \quad | \\ \text{H}-\text{C}-\text{C}-\text{H} \\ | \quad | \\ \text{H} \quad \text{H} \end{array}$
- B. $\begin{array}{c} \text{H} \quad \quad \text{O} \\ | \quad \quad || \\ \text{H}-\text{C}-\text{C} \\ | \quad \quad | \\ \text{H} \quad \quad \text{OH} \end{array}$
- C. $\begin{array}{c} \text{H} \quad \quad \text{H} \\ \diagdown \quad \diagup \\ \text{C}=\text{C} \\ \diagup \quad \diagdown \\ \text{H} \quad \quad \text{H} \end{array}$
- D. $\begin{array}{c} \text{H} \\ | \\ \text{C}=\text{O} \\ | \\ \text{H} \end{array}$

untitled 02/23/2016

1.
Answer: D
2.
Answer: D
3.
Answer: C
4.
Answer: C
5.
Answer: D
6.
Answer: D
7.
Answer: C
8.
Answer: C
9.
Answer: D
10.
Answer: B
11.
Answer: C