

Name: _____

Date: _____ Per: _____

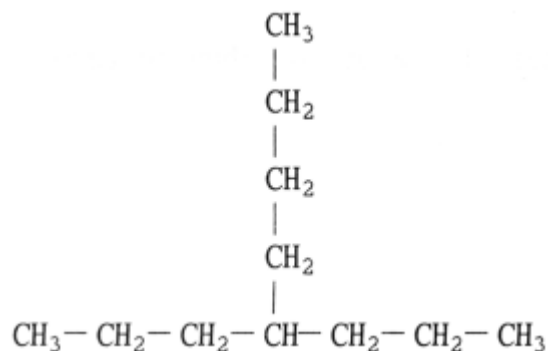
Chemistry
Assessment #23: Organic Chemistry PRACTICE

For each of the following questions or statements, select the most appropriate response and write its letter on the answer line:

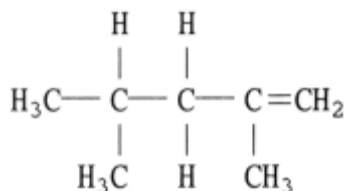
- _____ 1. Hydrocarbons containing only single bonds between the carbon atoms are called:
- A. alkanes
 - B. alkenes
 - C. alkynes
 - D. aromatics

- _____ 2. Alkenes always contain a:
- A. C-C bond
 - B. C=C bond
 - C. C≡C bond
 - D. C=H bond

- _____ 3. What is the MOST CORRECT name for the compound shown below?

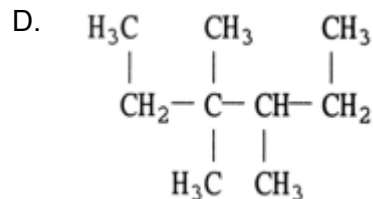
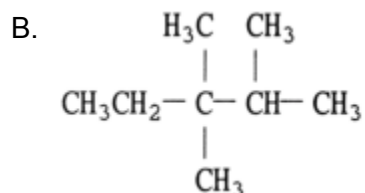
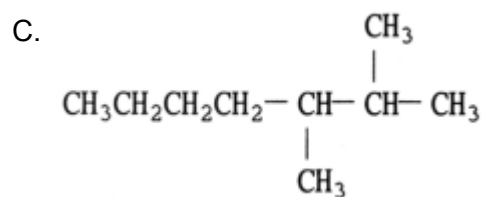
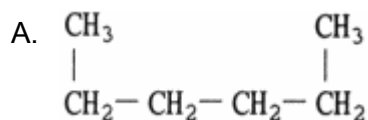


- A. 1,1-dipropylpentane
 - B. 4-butylheptane
 - C. 4-propyloctane
 - D. 5-propyloctane
- _____ 4. What is the name of the compound below?



- A. 2,4-methylbutene
- B. 2,5-dimethylpentane
- C. 2,4-ethylbutene
- D. 2,4-dimethyl-1-pentene

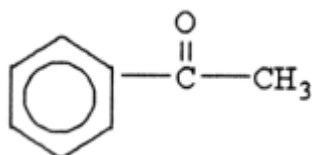
_____ 5. The correct structure of 2,3-dimethylheptane is:



_____ 6. Which one of the following is NOT an alcohol?

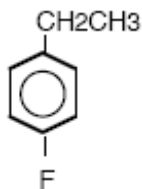
- A. acetone
- B. glycerol
- C. ethanol
- D. ethylene glycol

_____ 7. The compound below is a(n):



- A. carboxylic acid
- B. ester
- C. ether
- D. ketone

_____ 8. What is the MOST correct name for the compound below?



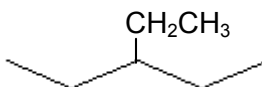
- A. 1-ethyl-4-fluorobenzene
- B. 1-fluorophenylethane
- C. ethylfluoro benzene
- D. phenyl-4-fluoro-1-ethane

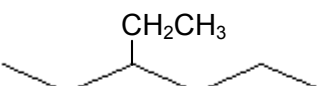
- _____ 9. Which one of the following is MOST CORRECT name for the compound represented by the line model below?

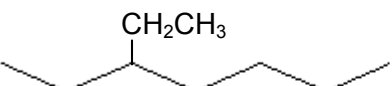


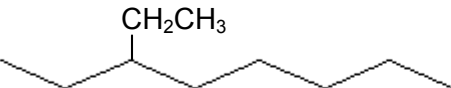
- A. 2-ethene-3-butene
- B. 3-methyl-1,4-dipentene
- C. cyclopentene
- D. methyl-dipentene

- _____ 10. Which one of the following is the correct line model for 3-ethylheptane?

- A. 

CH₂CH₃
- B. 

CH₂CH₃
- C. 

CH₂CH₃
- D. 

CH₂CH₃

Answers:

1. A
2. B
3. C
4. D
5. C
6. A
7. D
8. A
9. B
10. C