

Revision questions 2

1

Which of the following is a hydrocarbon?

- ☐ CO_2
- ☐ H_2O
- ☐ CH_4

2

What is the formula for octane?

- ☐ C_8H_{14}
- ☐ C_8H_{16}
- ☐ C_8H_{18}

3

Which of the following could be the formula for an alkene?

- ☐ C_3H_8
- ☐ C_4H_8
- ☐ C_4H_{10}

4

Which of the following hydrocarbons would rapidly decolourise bromine solution?

- ☐ Propene
- ☐ Propane
- ☐ Cyclopropane

5

Which of these molecules is saturated?

- ☐ 3-methyl pentane
- ☐ hex-2-ene
- ☐ 2-methylbut-2-ene

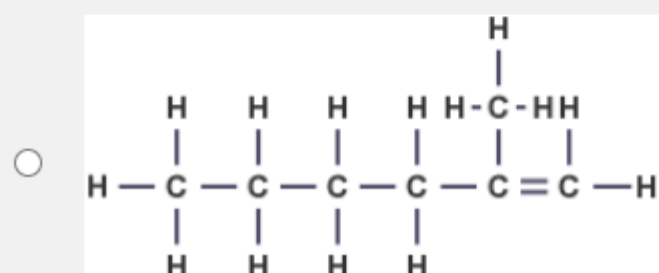
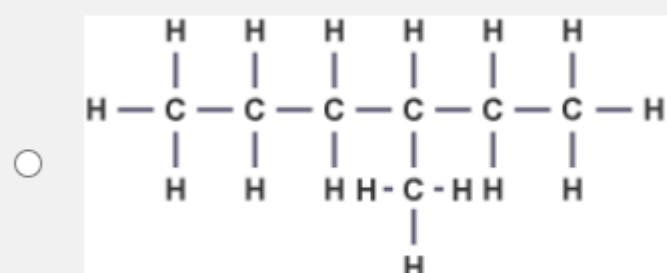
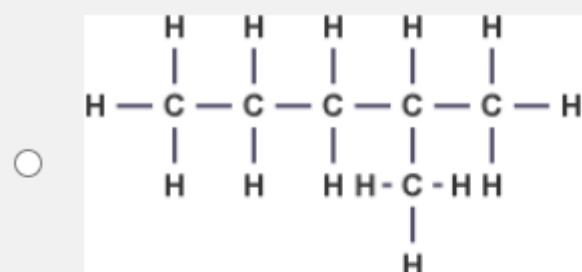
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What is the general formula for cycloalkanes?

- ☐ C_nH_{2n-2}
- ☐ C_nH_{2n+2}
- ☐ C_nH_{2n}

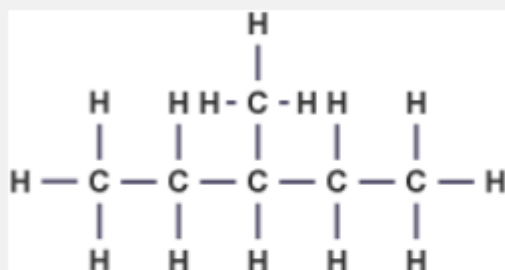
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Which of the following molecules is an isomer of heptane?



8

What is the name for the following molecule?



- ☐ 3-methylpentane
- ☐ 3-methylhexane
- ☐ 2-ethylbutane

9

What type of reaction does this equation represent?

Propene + Chlorine $\rightarrow$ 1, 2 - dichloropropane

- ☐ Combustion
- ☐ Hydrolysis
- ☐ Addition

10

Which of the following is the shortened structural formula for butene?

- ☐ $CH_3CH_2CH_2CH_3$
- ☐ $CH_3CH_2CHCH_2$
- ☐ CH_3CH_3