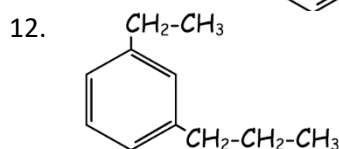
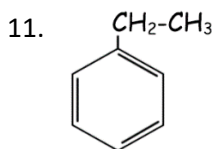
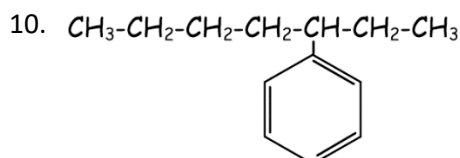
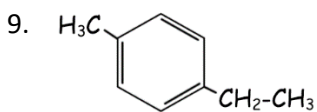
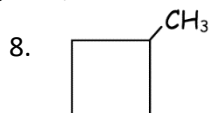
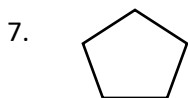


Part 1: Aromatic Isomers

For each of the following IUPAC name, draw the structural diagram.

- |                        |                           |
|------------------------|---------------------------|
| 1. Cyclooctane         | 2. Methylcyclopentane     |
| 3. 1,2-dimethylbenzene | 4. Ethylbenzene           |
| 5. 2-phenylpentane     | 6. 1,2-diethylcyclohexane |

For each of the following structural diagrams, write the IUPAC name.



13. The molecules of both cyclohexane and benzene have six carbon atoms bonded in a ring. What is the difference between these two compounds?

Part 2: Hydrocarbons from the Earth's Crust

Answer questions 30-36 on page 715