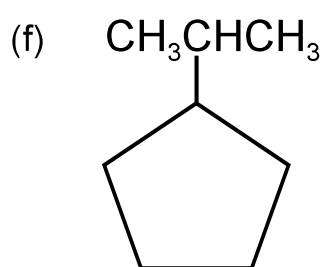
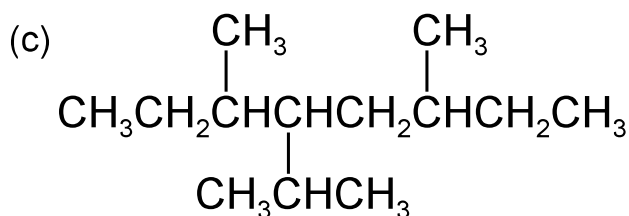
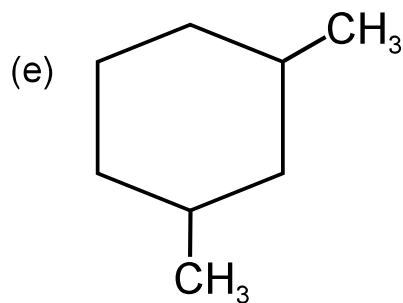
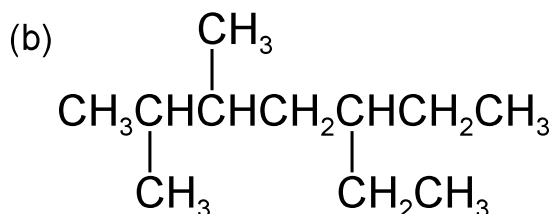
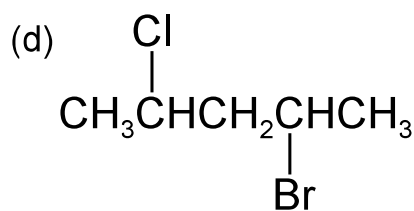
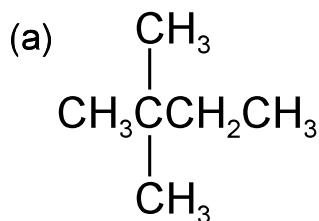


PRACTICE

Organic Chemistry Lesson 2: Alkanes

1. Name the following compounds.



2. Draw the structure for each of the following compounds.

- (a) 3-ethylheptane
- (b) 2,2-dimethylpentane
- (c) 3,5-diethyl-4-propyloctane
- (d) 1-ethyl-3-propylcyclohexane
- (e) 1,3-dibromocyclopentane
- (f) 2-chlorobutane

3. Write the balanced chemical equation for the complete combustion of each of the following alkanes.

- (a) methane (the main component of natural gas)
- (b) butane (the fuel in disposable lighters)

4. Give the structures and names of two possible products for the reaction between propane and chlorine in the presence of ultraviolet light (assume that only one chlorine molecule reacts with each propane molecule).