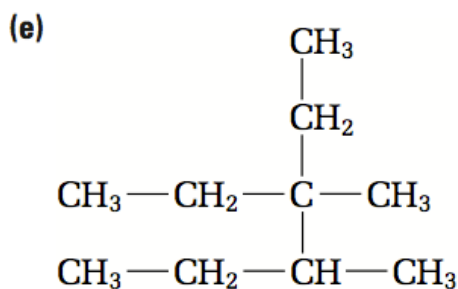
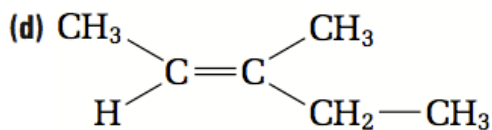
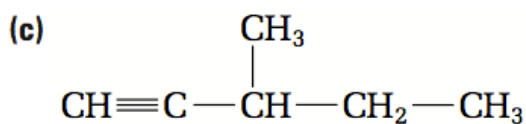
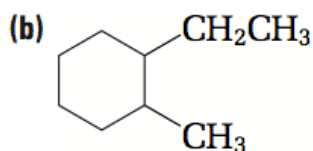
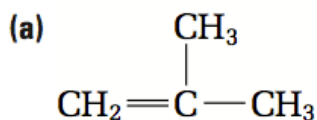
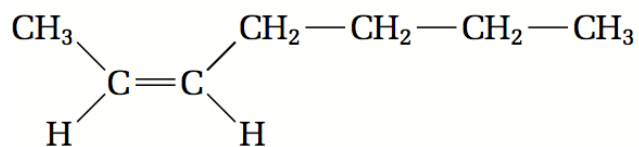
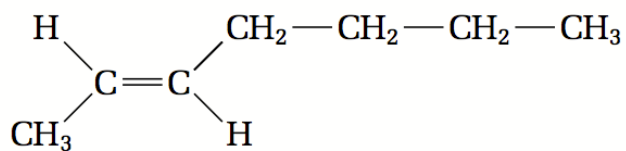


G12 Chemistry: Class 1 Homework

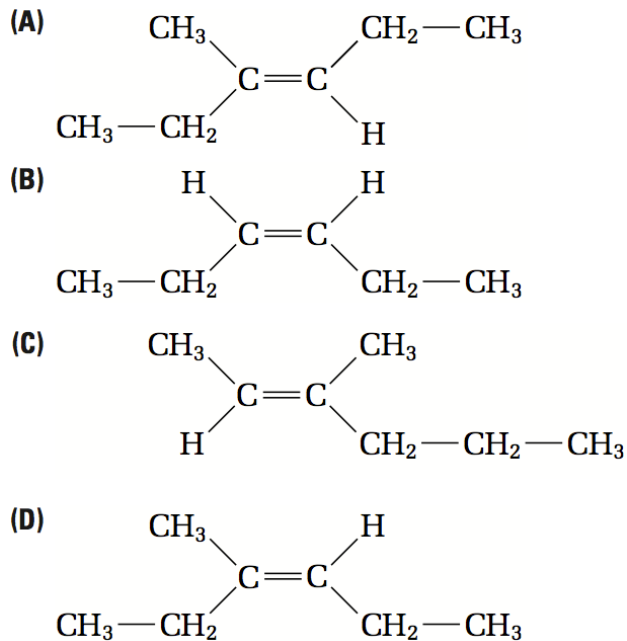
1. Name the following compounds. [5 marks]



2. Name the following isomers of hept-2-ene. [2 marks]



3. Name the following isomers: **[4 marks]**



4. Draw a condensed structural diagram for the compounds below: **[3 marks]**

a) 3-ethylhexane

b) butene

c) 2,3-dimethylpentane

5. Draw line structural diagrams for the compounds below: **[6 marks]**

a) 2-methylpropane

b) 1-ethyl-3-propylcyclopentane

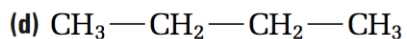
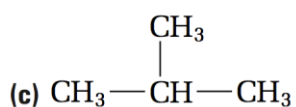
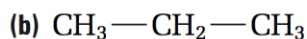
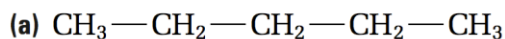
c) (3Z)-3-methylhept-3-ene

d) 3-butyl-4-methyloctyne

e) 4-ethylcyclooctene

f) 4-tert-butyl-4-methylhex-2-yne

6. Place the following alkanes in order from lowest to highest boiling point. Explain your reasoning. **[6 marks]**



7. The following compounds are named incorrectly. Draw the compounds and provide the correct name. **[4 marks]**

a) 3-propyl-2-butene

b) 1,3-dimethyl-4-hexene