

Name: _____

Block: _____

Date: _____

Chemistry 11

Cis-Trans Isomerization Worksheet

Assignment

Complete the following questions on a separate piece of paper.

1) Draw the actual shape of the following molecules using condensed structures:

a. trans-2-hexene

d. trans-4-decene

b. 3-hexyne

e. 2-butyne

c. cis-3-octene

f. 4-methyl-cis-2-pentene

2) Which of the following molecules can exhibit cis-trans isomerism?

a. 1-butene

d. 2-octene

b. 3-hexene

e. 3-ethyl-3-hexene

c. 4-heptyne

f. 2,5-dimthyloctane

3) Name the following as “cis” or “trans” isomers.

