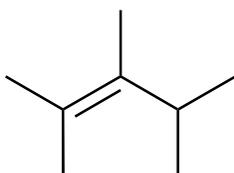
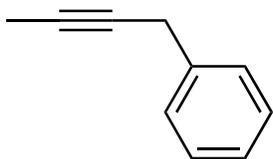
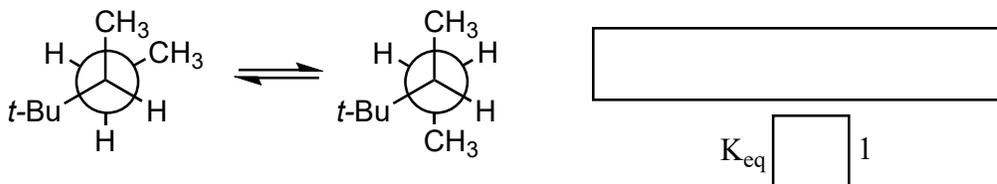


2A) (7 pts) Name the following compounds according to the IUPAC rules. Remember to designate stereochemistry when appropriate. **You must show your work to receive full credit.**



2B) (4 pts) Draw 1-ethyl-2-(1-methylpropyl)cyclooctane.

2C) (3 pts) Indicate which direction (forward, reverse or neither) of the equilibrium is favored. Also, indicate whether  $K_{eq}$  is  $>$ ,  $<$ , or  $= 1$  for this equilibrium. Place your answers in the boxes provided.



2D) (5 pts) Draw the **most stable chair conformation** of *cis*-1,3-dibromocyclohexane.