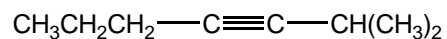
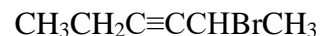


1) Name or write the structures for the following alkynes.



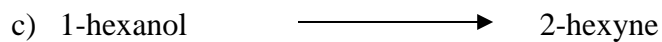
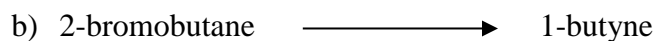
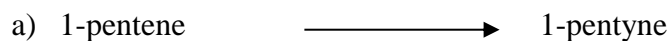
(*R*)-4-methyl-2-hexyne



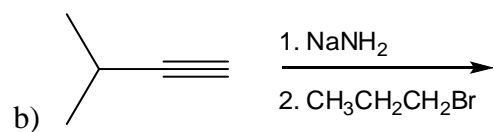
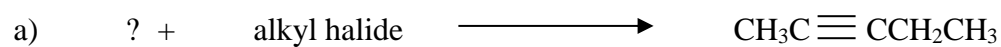
2) Draw out all the alkynes with the molecular formula C<sub>6</sub>H<sub>10</sub>?

Synthesis of alkynes: complete the following reactions with either the reactants, products or reagent. Some reactions may require more than one step.

3) Addition and/or elimination:



4) Chain elongation:



### Reactions of Alkynes

5) Complete the following reactions with the appropriate reagents or products.

