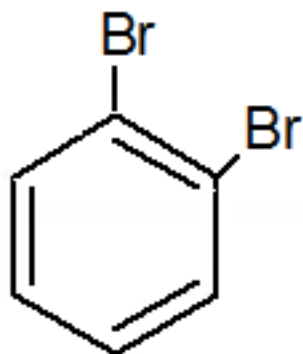


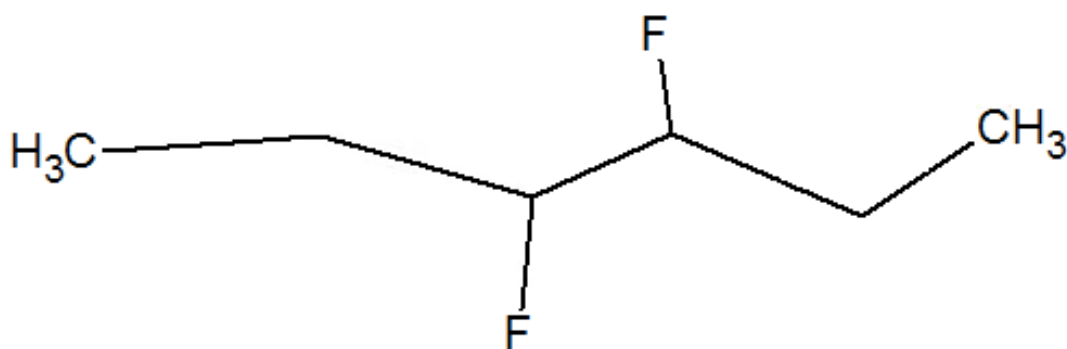
1. A four carbon, (Z) hydrocarbon (only C's and H's): $C_4H_{10} \rightarrow$ Z-butane



2. A di-substituted benzene molecule: $C_6H_4Br_2 \rightarrow$ 1,2-dibromobenzene



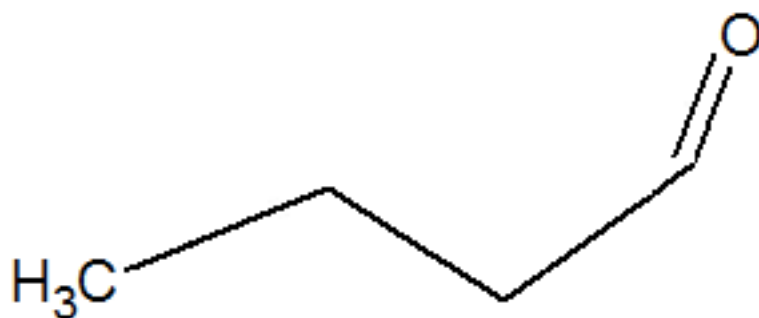
3. A di-halogen substituted, six carbon, alkane: $C_6H_{12}F_2 \rightarrow$ 3,4-difluorohexane



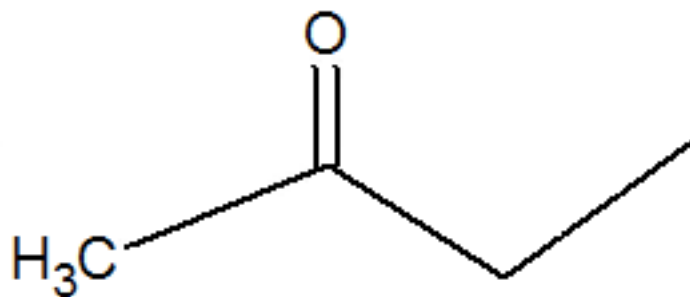
4. A seven carbon carboxylic acid, that includes a multiple (double or triple) carbon to carbon bond: $C_7H_{10}O_2 \rightarrow$ Hept-5-ynoic acid



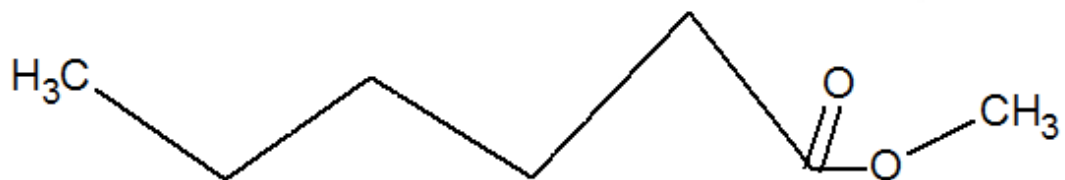
5. A four carbon aldehyde: $C_4H_8O \rightarrow$ Butanal



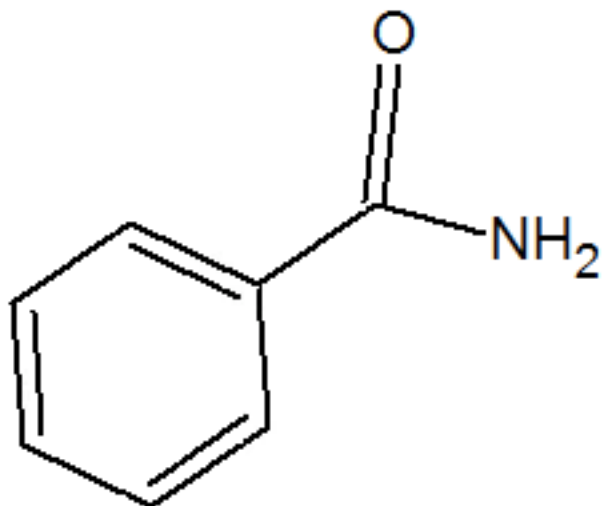
6. A four carbon ketone: $C_4H_8O \rightarrow$ Butan-2-one



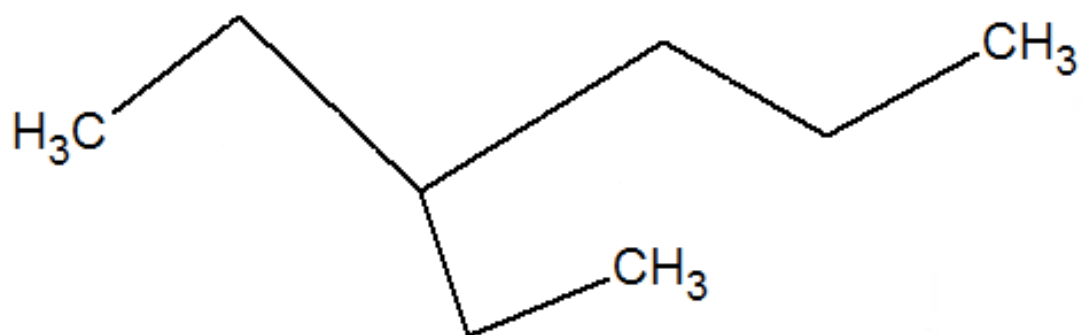
7. A seven carbon ester: $C_7H_{14}O_2 \rightarrow$ Methyl hexanoate



8. An amide that includes a ring of some description: $C_7H_7NO \rightarrow$ Benzamide



9. An eight carbon branched alkane: $C_8H_{18} \rightarrow$ 3-ethylhexane



10. A three carbon chiral molecule with (S) designation:
 $C_3H_5FO_2 \rightarrow$ 2-fluoropropanoic acid

