1---Answer key

Practice Problems Electron Dot & Structures

1. Draw electron dot structure of ethylene and propyne

- 2. What physical state are $C_{12}H_{26}$ and CH_4 at room temperature? $C_{12}H_{26}$ liquid CH_4 gas
- 3. Write a balanced equation for the complete combustion of ethane in oxygen $2 C_2 H_6 + 7 O_2 \longrightarrow 4 CO_2 + 6 H_2O$
- 4. Define structural isomer. Draw all structural isomers of C_5H_{12} different compounds have same molecular formula

5. Draw an alkane & an alkene both having the molecular formula C_5H_{10}

6. Draw two forms of HCFBrI; what are they?

7. which of the following can exist in optical isomers? Circle the asymmetric C atoms

$$C_2H_5$$
 C_2H_5 C_2H_5 C_2H_5 C_2H_5 C_2H_5 C_2H_5 C_2H_5 C_2H_5 C_2 C_2 C_3 C_4 C_5 C