

Chemistry—Ch. 22 worksheet (questions 1-15 follow the power point from another publisher; the rest are from the textbook). Write answers in complete sentences.



This side is for notes!

1. What is organic chemistry?
2. Show the four covalent bonds of carbon by drawing methane ( $\text{CH}_4$ ) two ways.
3. Draw ethene ( $\text{C}_2\text{H}_4$ ). It's an alkene (double bond) formed between 2 carbon atoms.
4. Draw heptane ( $\text{C}_7\text{H}_{16}$ ), but not like it is drawn on the power point. Write the carbon chain in one horizontal line. There should be 4 bonds on every carbon. Hydrogen will be on each bond that is not another carbon.
5. What is a hydrocarbon? Distinguish between saturated, unsaturated, and aromatic hydrocarbons.
6. Write the characteristics of alkanes including the general formula and copy the table.