| | | | | Name: | |
|------|-------------|---|----------------------------|-------------------|--------------------------|
| Ch | emistry: | Chapter 6 Study Question | ons | Hour: | Date: |
| 1. | Describe ho | ow covalent and ionic bonds diffe | r with regard to melting p | point, boiling po | oint, and bond strength. |
| 2. | How is bond | d length related to stability and er | nergy? | | |
| 3. | a) the | e relationship between: difference of the electronegativit degree of ionic or covalent bond | | s atoms, and | |
| 4. | Explain the | difference between polar covaler | nt and nonpolar covalent | bonds. | |
| 5. \ | What are hy | ydrogen bonds? | | | |
| 6. \ | Why would | scientists need to determine a co | ompound's empirical forn | nula? | |
| 7. | How does a | an empirical formula differ from a | molecular formula? | | |
| 8. | Distinguish | between a monomer and a polyr | mer, and give 4 examples | s of polymers. | |
| 9. \ | Why are str | uctural formulas useful? | | | |
| 10. | What is the | e most important factor in determ | nining the chemical prope | erties of a mole | cule? |
| 11. | What does | s VSEPR stand for, and what is the | he purpose of the theory | ? | |
| 12. | State 3 we | eaknesses of the VSEPR theory. | | | |
| 13. | How does | a network solid differ from a crys | stal lattice? | | |
| 14. | Give 2 exa | amples of network solids. | | | |
| 15. | What are: | organic compounds? | hydrocarbons? | fur | nctional groups? |

16. List 6 types of molecular models.