Name _____ Date _____ Class _____

continued

Section 12.2 Forces of Attraction

In your textbook, read about forces of attraction.

Answer the following questions.

1. Ionic, metallic, and covalent bonds are examples of what type of forces? _____

2. Dispersion forces, dipole–dipole forces, and hydrogen bonds are examples of what type of forces? _____

3. Describe dispersion forces.

_____

_____

4. Dispersion forces are greatest between what type of molecules?

_____

5. Describe a permanent dipole.

_____

_____

6. Describe dipole–dipole forces.

_____

_____

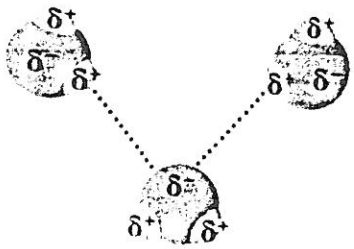
7. Describe a hydrogen bond.

_____

_____

_____

8. Identify each of the diagrams below as illustrating dipole–dipole forces, dispersion forces, or hydrogen bonds.



a. _____ b. _____ c. _____

9. Rank dipole–dipole forces, dispersion forces, and hydrogen bonds in order of increasing strength.

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