

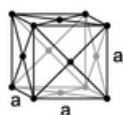
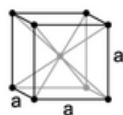
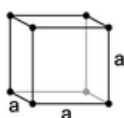
## Bauck's CHEMISTRY Ch. 11 Test Review

*This is an optional assignment due the day of the test.*

**Materials:** loose leaf paper, calculator, pen and/or pencil (You will be given a periodic table.)  
**Test date:** \_\_\_\_\_  
**Test value:** 200 points  
**Test format:** multiple-choice, short answers, graph interpretation/labeling, math problems:  
pressure conversions, Graham's Law, stoichiometry three-step problem with the balanced equation given,

### TOPICS TO STUDY:

- 1) List at least two characteristics of any **absolute measurement scale**.
- 2) **Absolute zero**—What is it, what happens?
- 3) **Allotropes**—What are they?
- 4) **Amorphous solid**—What is it; characteristics?
- 5) “**atm**”—What is this unit?
- 6) **Boiling; boiling point**—Describe the process.
- 7) **Buckyballs**—What are they?
- 8) **Condensation**—Describe this process
- 9) **Critical point**—What is this?
- 10) **Crystal lattice**—What is it? (Be able to identify, draw, or give the names of common crystals.) For this review, name the following crystal shapes:



- 11) **Equilibrium**—What is it?
- 12) **Evaporation**—Describe the process.
- 13) **Freezing**—Describe the process.
- 14) **Gas**—Characteristics
- 15) **Ionic solids vs. molecular solids**— Characteristics
- 16) **Kinetic energy (K.E.)**—What is it? How it is measured?
- 17) **Kinetic theory of matter, kinetic molecular theory (KMT)**—Summarize the parts.
- 18) **Liquid**—Characteristics
- 19) **Melting; melting point**—Describe the process.
- 20) **Pressure**—What is it? How it is measured?
- 21) **SI unit of pressure**—What is it?
- 22) **Solid**—Characteristics
- 23) **Sublimation**—Describe the process.
- 24) **Supercooled liquid**—Characteristics and examples
- 25) **Triple point**— What is this?
- 26) **Unit cell**—What is it? Where are unit cells found?
- 27) Math problems – **Pressure conversions**. Given the values for standard pressure, convert from one pressure type to another. Show an example for this review. THE TABLE OF STANDARD PRESSURES WILL BE PROVIDED ON THE TEST.
- 28) Math problems – **Graham's Law**. Show an example for this review. GRAHAM'S LAW EQUATION WILL BE PROVIDED ON THE TEST.
- 29) **PHASE CHANGES OF WATER diagram** to label (see notes). For this review, sketch and label the diagram. On the test, you will have to label the diagram without a word bank.
- 30) **Phase diagram** to label (see notes). For this review, sketch and label the diagram. On the test, you will have to label the diagram without a word bank.

Note:

\*\*\* There will be at least one question pertaining to material in past chapter(s) or unit(s). \*\*\*