

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: \_\_\_\_\_



### Sealed System

### Chapter 1 – Chapter Questions

1. Latent Heat is \_\_\_\_\_  
\_\_\_\_\_
2. What must a vapor give up before it can be condensed back into a liquid? \_\_\_\_\_  
\_\_\_\_\_
3. Heat is measured in quantity (BTUs) and intensity (temperature). \_\_\_\_\_  
\_\_\_\_\_
4. What are Refrigerants? \_\_\_\_\_  
\_\_\_\_\_
5. How are Refrigerators, Ice Machines, Dehumidifiers and Window Air Conditioners similar. \_\_\_\_\_  
\_\_\_\_\_
6. What part of the refrigeration system is the only moving part? \_\_\_\_\_  
\_\_\_\_\_
7. What is the main purpose of an evaporator? \_\_\_\_\_  
\_\_\_\_\_
8. What type of evaporator is most commonly found in refrigerators? \_\_\_\_\_  
\_\_\_\_\_
9. The condenser is responsible for? \_\_\_\_\_  
\_\_\_\_\_

10. What type of condenser is most commonly found on refrigerators? \_\_\_\_\_

\_\_\_\_\_

11. The compressor is a \_\_\_\_\_

\_\_\_\_\_

12. How many valves are inside of a compressor and what are their names? \_\_\_\_\_

\_\_\_\_\_

13. What are the two purposes of a drier Filter? \_\_\_\_\_

\_\_\_\_\_

14. The cap tube, therefore, \_\_\_\_\_ the flow of refrigerant into the \_\_\_\_\_

\_\_\_\_\_

15. What parts of the sealed system are found on the low side? \_\_\_\_\_

\_\_\_\_\_

16. What parts of the sealed system are found on the high side? \_\_\_\_\_

\_\_\_\_\_

Below are terms within the Sealed System, Identify where each one would be found within the system.

A. High Pressure Superheated Vapor \_\_\_\_\_

B. High Pressure Saturated Refrigerant \_\_\_\_\_

C. High Pressure Subcooled Liquid \_\_\_\_\_

D. Low Pressure Subcooled Liquid \_\_\_\_\_

E. Low Pressure Saturated Refrigerant \_\_\_\_\_

F. Low Pressure Superheated Vapor \_\_\_\_\_