

Name \_\_\_\_\_

Period \_\_\_\_\_

Date \_\_\_\_\_

### Phase Changes Worksheet

Use the "Flow Chart of Phase Changes" to help you answer these questions.

1. Adding energy to a solid will change the solid into a/an \_\_\_\_\_.
2. Changing a solid into a liquid is called \_\_\_\_\_.
3. Adding energy to a liquid will change the liquid into a/an \_\_\_\_\_.
4. Changing a liquid into a gas is called \_\_\_\_\_.
5. Adding energy to a gas will change the gas into a/an \_\_\_\_\_.
6. Changing a gas into plasma is called \_\_\_\_\_.
7. Removing energy from plasma will change plasma into a/an \_\_\_\_\_.
8. Changing plasma into a gas is called \_\_\_\_\_.
9. Removing energy from a gas will change the gas into a/an \_\_\_\_\_.
10. Changing a gas into a liquid is called \_\_\_\_\_.
11. Removing energy from a liquid will change the liquid into a/an \_\_\_\_\_.
12. Changing a liquid into a solid is called \_\_\_\_\_.
13. A solid changes into a gas by a process called \_\_\_\_\_.
14. A gas changes into a solid by a process called \_\_\_\_\_.
15. Why are there 8 changes of phase but only 7 different terms?

- \_\_\_\_1. solid to liquid
- \_\_\_\_2. liquid to gas
- \_\_\_\_3. gas to plasma
- \_\_\_\_4. solid to gas
- \_\_\_\_5. plasma to gas
- \_\_\_\_6. gas to liquid
- \_\_\_\_7. liquid to solid
- \_\_\_\_8. gas to solid

- a. condensation
- b. evaporation
- c. freezing
- d. ionization
- e. melting
- f. neutralization
- g. sublimation

# Flow Chart of Phase Changes

