

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

