

Name: _____ Date: _____
Chemistry

Worksheet

Phase Changes of Matter



1. List the phases of matter in order of **MOST** kinetic energy to **LEAST** kinetic energy.

2. How do substances change phases? _____

3. What is the process for a solid to change into a liquid? _____

4. What is the process for a liquid to change into a solid? _____

5. What is the process for a liquid to change into a gas? _____

6. What is the process for a gas to change into a liquid? _____

7. What is the process for a solid to change directly into a gas? _____

8. What is the process for a gas to change directly into a solid? _____

9. freezing point of water - _____ melting point of ice - _____

10. boiling point of water - _____ condensation point of steam - _____

11. Which phase of matter is **LEAST** common on the earth but **MOST** common in the universe?

Research It

Why do you need to boil something longer at higher altitudes?

“It doesn’t matter where you start. It matters where you finish.”
--Joe Martin