

NAME:

PERIOD:

DATE:

States of Matter Homework

Answer all questions as best you can. You can use your book or notes to help you.

1. **List** the four phases of matter, and an **example** of each.

2. Which phase of matter has the **least** energy?

Which phase of matter has the **most** energy?

3. **What has to happen** to a solid to get it to change into a liquid?

4. How do the particles in a **gas move**?

5. **Write out** the Kinetic Theory of Matter.

6. True or False. A **solid** will change its shape to fit its container.

7. True or False. When a substance evaporates, it is **gaining** energy.

8. Which of the following has **no definite volume**?

A. liquid

B. gas

C. plasma

D. both B & C

E. All are correct

9. Give an example of an amorphous solid.

10. Your ice cream turns into a puddle of ice cream goo. What phase change is this?

