Year 7 Science: The particle model: solids, liquids, gases and changes of state

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Practice

1. Which state of matter has particles touching each other but able to slide past one another?

2. Name the change of state when a puddle dries up on a sunny day.

3. Naphthalene mothballs slowly get smaller in a wardrobe without ever becoming liquid. Which change of state is this?

4. Why does a gas fill its whole container while a liquid sits at the bottom?

5. A class heats wax. Its temperature stays at 55 °C for 4 minutes while it turns to liquid. What is happening during those 4 minutes?

Fix the mistake

6. Correct this statement: "When ice melts, the particles themselves melt and get softer."

7. Correct this statement: "There is air between the particles in a gas."

8. Correct this statement: "The drops on the outside of a cold drink leaked through the glass."

9. Correct this statement: "Condensation happens when something is heated."