

Role Play Worksheet: "We Are Particles!"

Names: _____

Date: _____

Instructions for the Role Play:

Roles:

4 students – particles

1 student – heat coordinator

1 student – director

You and your group will act as particles in one of the states of matter: solid, liquid, gas. Your task is to show how particles behave in your assigned state by using your body movements.

Part 1: Before the Role Play

1. Which state of matter is your group representing?

2. Describe how the particles in your state of matter behave. Are they close together? Do they move a lot?

3. What will happen to the particles when heat is added to your state of matter?

4. How will your group show these particle movements during the role play?

Part 2: During the Role Play

As you watch the other groups perform, answer the following questions:

1. How did the group representing a solid show that their particles don't move much?

2. How did the group representing a liquid show that particles can slide past each other?

3. How did the group representing a gas demonstrate fast, random particle movement?
