Modeling Particle Movement and Phase Change Activity

Teacher Instructions:

- For this activity, students will use small food items (fruit loops, skittles, M&Ms, etc.) to represent particles in matter. Or, you can select small non-food item objects to use.
- Students will then follow the instructions on the student handout to model particle movement in various phase changes of matter as well as show when heat and energy are added
- After students model each phase change, the teacher must initial that the student or groups of students did it correctly.
- You can allow students to eat or glue the objects on their paper.

Modeling Particle Movement in Phase Change Activity Name_____ Date _____ Period _____

1. In the boxes below, use your small objects to show a representation of the particles in each state of matter. Then, draw arrows to show the following: add energy, remove energy, add heat, remove heat. Teacher Initials _____

Solid	Liquid	Gas

2. Use your small objects to show a representation of the particles when matter changes from a **Solid to a Liquid** in each state of matter. Then, draw arrows to show the following that applies: add energy, remove energy, add heat, remove heat.

Matter changing from a solid state to a liquid state is called _____.

Teacher Initials _____

Solid	Liquid

Modeling Particle Movement in Phase Change Activity Name_____ Date _____ Period _____

3. Use your small objects to show a representation of the particles when matter changes from a **Liquid to a Solid** in each state of matter. Then, draw arrows to show the following that applies: add energy, remove energy, add heat, remove heat.

Matter changing from a liquid state to a solid state is called _____.

Teacher Initials _____

Liquid	Solid

3. Use your small objects to show a representation of the particles when matter changes from a **Liquid to a Gas** in each state of matter. Then, draw arrows to show the following that applies: add energy, remove energy, add heat, remove heat.

Matter changing from a liquid state to a gas state is called _____.

Teacher Initials _____

Liquid	Gas

Modeling Particle Movement in Phase Change Activity Name_____ Date _____ Period _____

4. Use your small objects to show a representation of the particles when matter changes from a **Gas to a Liquid** in each state of matter. Then, draw arrows to show the following that applies: add energy, remove energy, add heat, remove heat.

Matter changing from a gas state to a liquid state is called _____.

Teacher Initials _____

Gas	Liquid