

Name:

Date:

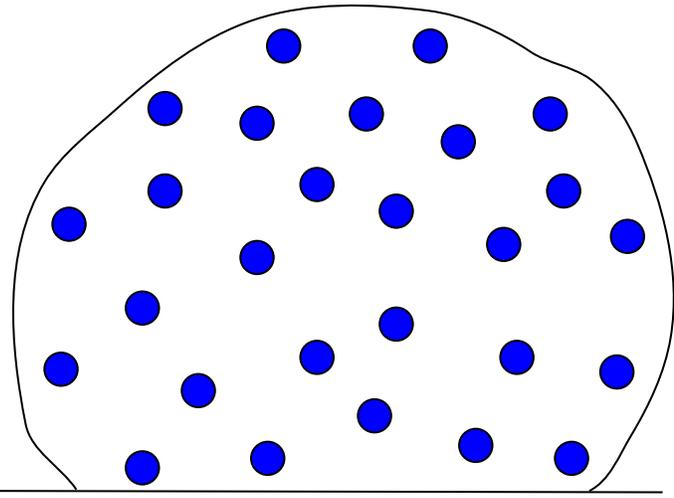
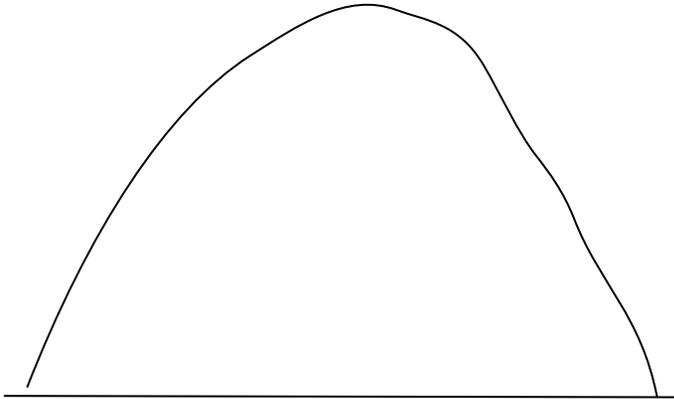
Class:

## Exploring a Phenomenon - Part 2 Worksheet

Remember what you have previously learned:

- All matter is made of tiny particles (atoms, ions, molecules).
- A force is an influence that can cause a change in an object's motion or shape.
- All particles in a sample of matter exert some level of attractive or repulsive forces on each other.
- Particles in liquids are generally able to slide past each other.

In the space below, complete the models to show what forces are involved on each drop as a whole and in between each particle that would cause the difference in shape for each drop. Remember, you are just taking a guess based upon what you have previously learned at this point in time.

Drop of pure water model	Drop of soapy water model
<p>Use drawings to share your ideas. Label each part of your drawing.</p> <p>Blue circles = water particles</p> 	<p>Use drawings to share your ideas. Label each part of your drawing.</p> <p>Blue circles = water particles = soap particles</p> 

Turn this sheet over

Name:

Date:

Class:

In the space below, provide an explanation based on the models you made for what caused the difference in shape for each drop. Remember, you are just taking a guess based upon what you have previously learned at this point in time.

### Explanation for why there was a difference in shape for each drop

Use words and reference your model.

When your teacher tells you to do so, share your models and explanations with your group members. Look and listen for common ideas as each group member shares. Record any common ideas in the space below.

### Common ideas in models and explanations for your group

Use words and drawings.

BROUGHT TO YOU BY