

## Layers of Liquids... and Solids

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

**Question:** What will happen when liquids and solids are combined in a container?

### Planning Questions?

1. What is density?
2. Why do some things float, and some things sink?
3. What is your hypothesis about combining liquids and solids in a container?
4. Design a short (10 minutes or less) experiment to test what will happen when liquids and solids are combined in a container. Write a step by step procedure describing how to conduct the experiment. Before gathering data, create a space for both written observations and a diagram.

### CHECKPOINT:

Show your teacher your experimental design and data table before conducting the experiment.

### Conclusion

1. What was your hypothesis about combining liquids and solids in a container?
2. What happened?
3. How do your findings relate to density?
4. Compare your findings with 2 other groups' findings.
5. What new questions do you have about whether substances sink or float?