

# Buoyancy Lab—Part 2

Now that you have “gotten your feet wet” with clay boats, we challenge you to take this investigation further.



**Challenge:** Using any materials at your disposal (ask the teacher), perform a series of experiments and measurements to answer the following questions:

- 1) What are the variables that affect buoyancy? (Describe as many as you can!)
- 2) What is the relationship between each variable and the buoyant force of an object? (Carefully measure/quantify these relationships!)
- 3) Why does an object float? How does buoyancy work?

## Documentation:

- Thorough, complete lab notes.
- A full written lab report. (See separate sheet for format. Each student must write a report.)
- A poster visually presenting your findings. (One poster per lab team.) You will present these posters to the Antioch students on Thursday for evaluation and feedback.