

## Buoyancy Lab

1. Define buoyancy in your own words
2. Look up the definition of buoyancy
3. If your boat is more dense than water, the boat will \_\_\_\_\_.
4. If your boat is more buoyant than water, the boat will \_\_\_\_\_.
5. Mass of your boat. \_\_\_\_\_
6. Volume of your boat. \_\_\_\_\_
7. Density of your boat. \_\_\_\_\_
8. What is the density of pure water in g/mL? \_\_\_\_\_
9. Based on your calculations, should your boat sink or float in water? Why?
10. Your boat displaces a certain volume of water when it is placed in the sink. How much does that displaced water weigh? How do you know?

## Buoyancy Lab

1. Define buoyancy in your own words
2. Look up the definition of buoyancy
3. If your boat is more dense than water, the boat will \_\_\_\_\_.
4. If your boat is more buoyant than water, the boat will \_\_\_\_\_.
5. Mass of your boat. \_\_\_\_\_
6. Volume of your boat. \_\_\_\_\_
7. Density of your boat. \_\_\_\_\_
8. What is the density of pure water in g/mL? \_\_\_\_\_
9. Based on your calculations, should your boat sink or float in water? Why?
10. Your boat displaces a certain volume of water when it is placed in the sink. How much does that displaced water weigh? How do you know?