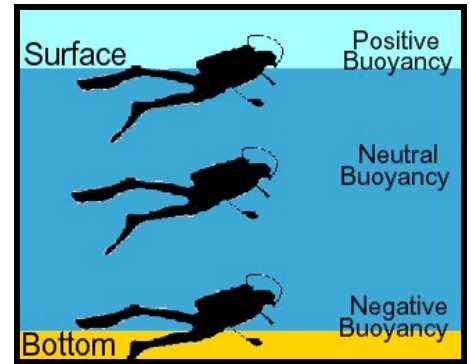
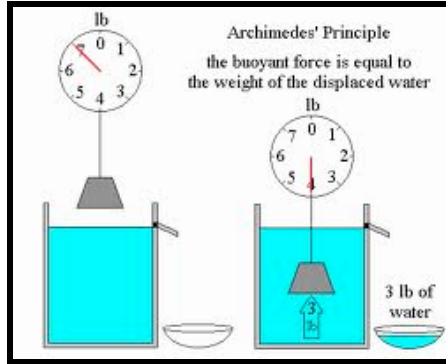
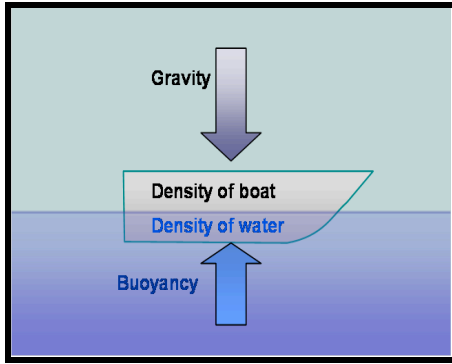


Name _____ Period _____ Date _____



Bill Nye Video Worksheet - Buoyancy

1. The reason why some things float or sink is because water is _____.
2. If you were to weigh the water displaced by a boat, the water would be equal to the weight of the _____.
3. What is displacement? _____
4. Objects displace as much water as they _____.
5. Floating and Sinking: Why does the tennis ball that is cut in half float higher in the water than the tennis ball that isn't cut in half?

6. **EUREKA** is Greek for "_____".
7. When something sinks we say it is _____ buoyant.
8. When something floats we say it is _____ buoyant.
9. When something does not sink or float, we say it is _____ buoyant.
10. Scuba diving is all about buoyancy. What do scuba divers use to change their buoyancy? _____
11. Hot air is _____ dense than its surrounding air.
(less or more)