

Bill Nye Buoyancy Video Questions (10 points)

1. The whole reason things stay afloat or sink is because water is heavy.
2. If you are displacing water, you are pushing it out of the way.
3. The shape of a boat does / does not make a difference on whether or not it will float. (circle one)
4. Things will / will not sink until they float. (circle one)
5. An item will ~~float~~ ~~float~~ sink until it displaces as much water as it weighs.
6. One person leaving one piece of trash on a beach causes / does not cause a problem. (circle one)
7. By filling their swim bladders with oxygen fish can control their depth in water.
8. Something has neutral buoyancy if it doesn't either sink or float.
9. It is possible / impossible to float in air. (circle one)
10. If the amount something weighs is the same as the displaced weight of the water, it floats.