

Room _____ Block _____ ID# _____

Name _____

Teacher _____

Date: ___ / ___ / ___

Period _____

BNP06

Buoyancy



While watching, complete this video guide.

Three things I knew
that were confirmed in
the video:

A- _____

B- _____

C- _____

Three things I didn't know
but I now know because I
watched the video.

A- _____

B- _____

C- _____

- ___ Δ 1. The whole reason things stay afloat or sink is because water is _____.
- ___ Δ 2. If you are _____ water, you are pushing it out of the way.
- ___ Δ 3. The water something displaces does / does not weigh the same as the item displacing it.
- ___ Δ 4. The shape of a boat does / does not make a difference on whether or not it will float.
- ___ Δ 5. Things displace as much water as they _____.
- ___ Δ 6. Things will / will not sink until they float.
- ___ Δ 7. An item will _____ until it displaces as much water as it weighs.
- ___ Δ 8. One person leaving one piece of trash on a beach causes / does not cause a problem.
- ___ Δ 9. When thrown in a pool, an empty milk carton will _____.
- ___ Δ 10. People, like Bill Nye, tend to _____ in water.
- ___ Δ 11. By filling their swim bladders with _____ fish can control their depth in water.
- ___ Δ 12. Something has _____ buoyancy if it doesn't either sink or float.
- ___ Δ 13. A buoyancy compensator is a vest scuba divers fill with air to control how much they swim / float.
- ___ Δ 14. It is possible / impossible to float in air.
- ___ Δ 15. If the amount something weighs is the same as the displaced weight of the water, it _____.