

Name _____

Bill Nye: Buoyancy

1. The reason things float or sink is because _____.
2. The water displaced weighs the same as _____.
3. When water is pushed out of the way it is said to be _____.
4. What happened to the water level in the dunk tank of science when Bill jumped in?
5. True/False – The mass of the displaced water balances the boat.
6. True/False – The volume of displaced water equals the space created by the boat in the mold.
7. The _____ makes a difference on if it sinks or floats.
8. The clay boat & the ball of clay displaced the _____ of water.
9. Boats that are made of stuff that sink will float if they have the right _____.
10. Things displace as much water as they _____.
11. Things sink until they _____.
12. The tennis ball that is cut in half floats higher in the water b/c it doesn't _____ as much as the whole tennis ball.
13. _____ discovered he could figure how much volume objects had if he could measure the amount of water they displaced when they sank.
14. _____ is what keeps a surfboard afloat.
15. When thrown into water, Bill _____.
16. The pen cap sinks because _____.
17. Fish fill their _____ with oxygen to control how deep they swim.
18. A rock is _____ buoyant, while a piece of wood is _____ buoyant.
19. _____ is Latin for “somewhere in between.”
20. A BC vest can be filled with _____ to displace more water and become more _____.
21. Hot air balloons float in _____, not water, b/c they have _____.
22. Any object will displace an amount of water that is the same as _____.

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