

Cornell Notes: "Buoyant Force" Read pages 168 - 172 to answer the following questions.

Question	Answer
1. What is BUOYANT FORCE ?	
2. How does a change in fluid pressure cause a buoyant force?	
3. What is Archimedes' Principle? What does "displace" mean?	
4. What does the weight of the displaced fluid explain?	
5. What causes an object to SINK ?	
6. What causes an object to FLOAT ?	
7. Complete the statement to the right using these words. (opposes, downward, upward)	The buoyant force is a(n) _____ force that _____ gravity which is a _____ force.
8. Explain Density and how is it calculated? What does <u>it</u> actually tell you about the object?	
9. If an object's density is greater than the fluid, the object will do what?	
10. Why does helium cause a balloon to float upward?	
11. Explain how changing a ship's shape allows it to float.	
12. Write a Summary on page 28 or 29. Label it Big Idea # 6: Buoyancy	