

Density

Go to:

<http://abcnews.go.com/Technology/story?id=119356&page=1>

Read the article and answer the following questions.

1. Why will you sink in a bathtub when a heavy freighter will float?
2. When will an object sink?
3. When will an object float?
4. Who came up with the theory of why objects are able to float?
5. Explain what Archimedes discovered in his bathtub.
6. What was Archimedes explanation for why boats float?
7. What is another name for buoyant force?

8. When will a 1000 ton boat begin to float?
9. When will a 250 pound man begin to float?
10. Will a 50 ton boat that has displaced 45 tons of water float or sink?
11. Will a 100 ton boat that has displaced 125 tons of water float or sink?