



Name: \_\_\_\_\_

Grade & Section: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_



hunterswoodlyph

# Materials That Sink or Float

Choose the best answer.

\_\_\_\_\_ 1. The term density means \_\_\_\_\_.

- A. the force of water
- B. the ability to float
- C. the heaviness or lightness of objects
- D. the degree to which molecules are packed tightly or loosely together

\_\_\_\_\_ 2. An object will sink in water if it \_\_\_\_\_.

- A. is more dense than water
- B. is less dense than water
- C. has the same density as water
- D. is tastier than water

\_\_\_\_\_ 3. What factors affect an object's ability to float?

- A. density and size
- B. density and shape
- C. size and height
- D. shape and weight



\_\_\_\_\_ 4. \_\_\_\_\_ is the upward force that a fluid exerts on an object.

- A. Density
- B. Buoyancy
- C. Molecules
- D. Uplift

\_\_\_\_\_ 5. Objects like wood and polystyrene foam float because they are \_\_\_\_\_ than water.

- A. lighter
- B. heavier
- C. smaller
- D. less dense

\_\_\_\_\_ 6. An iceberg floats in the ocean. Ice, which is solid water, must be \_\_\_\_\_ ocean water.

- A. bigger than
- B. denser than
- C. less dense than
- D. the same density as

\_\_\_\_\_ 7. Why does an "empty" glass bottle with its metal lid closed float in water?

- A. Because glass is less dense than water.
- B. Because water is looking for a way to get into the bottle.
- C. Because the metal lid is less dense than water.
- D. Because it is actually filled with air molecules that are loosely packed together.