

## Science/Math Activity 2: Density

If an object has greater density than the liquid into which it is placed, then the object will sink.

A cubic centimeter of each of the following objects is placed in water. The density of water is 1 gram per cubic centimeter. If the object will float in water, write an "F" on the blank. If the object will sink in water, write an "S" on the blank.

- \_\_\_\_\_ 1. The density of cork is  $\frac{1}{4}$  gram per cubic centimeter.
- \_\_\_\_\_ 2. The density of iron is 7.8 grams per cubic centimeter.
- \_\_\_\_\_ 3. The density of lead is 11.3 grams per cubic centimeter.
- \_\_\_\_\_ 4. The density of wood is 0.5 grams per cubic centimeter.
- \_\_\_\_\_ 5. The density of ice is 0.9 grams per cubic centimeter.
- \_\_\_\_\_ 6. The density of gold is 19.30 grams per cubic centimeter.
- \_\_\_\_\_ 7. The density of aluminum is 2.70 grams per cubic centimeter.

Write the correct answer to complete the statement on the blank.

8. Oil floats on water. Oil is ( less / more ) dense than water. \_\_\_\_\_

---

## Science/Math Activity 2: Density

If an object has greater density than the liquid into which it is placed, then the object will sink.

A cubic centimeter of each of the following objects is placed in water. The density of water is 1 gram per cubic centimeter. If the object will float in water, write an "F" on the blank. If the object will sink in water, write an "S" on the blank.

- \_\_\_\_\_ 1. The density of cork is  $\frac{1}{4}$  gram per cubic centimeter.
- \_\_\_\_\_ 2. The density of iron is 7.8 grams per cubic centimeter.
- \_\_\_\_\_ 3. The density of lead is 11.3 grams per cubic centimeter.
- \_\_\_\_\_ 4. The density of wood is 0.5 grams per cubic centimeter.
- \_\_\_\_\_ 5. The density of ice is 0.9 grams per cubic centimeter.
- \_\_\_\_\_ 6. The density of gold is 19.30 grams per cubic centimeter.
- \_\_\_\_\_ 7. The density of aluminum is 2.70 grams per cubic centimeter.

Write the correct answer to complete the statement on the blank.

8. Oil floats on water. Oil is ( less / more ) dense than water. \_\_\_\_\_