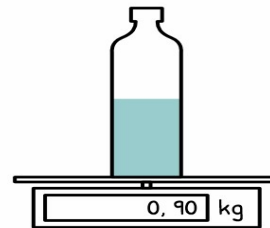
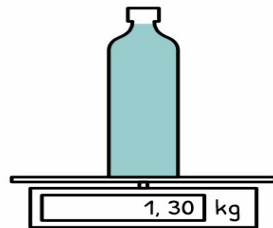


Name _____

Date _____

MASS, WEIGHT, & DENSITY

1. The gravitational field strength on the Moon is less than on the Earth.
Which of these is different when done on the Moon compared with when done on the Earth?
- A. the gravitational potential energy gained by a stone lifted through the same vertical height
 - B. the kinetic energy gained by a ball when hit with the same force for the same period of time
 - C. the momentum gained by a bullet when fired from the same gun
 - D. the work done in accelerating a stone from rest to the same speed
2. The mass of a full bottle of cooking oil is 1.30kg.
When exactly half of the oil has been used, the mass of the bottle plus the remaining oil is 0,01 kg



- What is the mass of the empty bottle?
- A. 0,40 kg
 - B. 0,50 kg
 - C. 0,65 kg
 - D. 0,80 kg
3. A solid ball has a volume of 4.0 cm³. The density of the ball is 1.6g/cm³
What is the mass of the ball?
- A. 0,4 g
 - B. 2,5 g
 - C. 4,0 g
 - D. 6,4 g
4. The density of water is 1 kg/L. Hence, choose if the following materials will float or sink.

MATERIALS	DENSITY
Cork	0,25 kg/L
Iron	7,90 kg/L
Orange juice	1,25 kg/L
Olive oil	0,916 kg/L

Cork will _____.

Iron will _____.

Orange juice will _____.

Olive oil will _____.