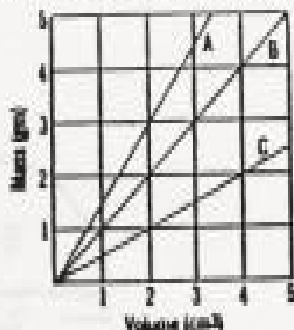


5

The density of water is 1.0 gm/cm^3 . A student experimentally determines a density of 0.94 gm/cm^3 . What is his percentage error?

1. 0.06% 2. 0.6% 3. 6.0% 4. 60.0%

18-19: Refer to the graph below to answer these questions.



18.

An object with a density of 1.5 gm/cm^3 would be represented by

1. line A 2. line B 3. line C 4. none of these

19.

An object with the density represented by line B would

1. float in water
2. have the density of water
3. sink in water
4. do none of those things

8-9

Refer to the diagram below to answer these questions.



8.

The mass of the object shown above is 40 gm. What is its density?

1. 0.18 gm/cm^3 2. 0.4 gm/cm^3 3. 4.0 gm/cm^3 4. 5.7 gm/cm^3

9.

Suppose the object in the diagram is cut into two equal pieces. What would be the density of each piece?

1. 0.2 gm/cm^3 2. 0.4 gm/cm^3 3. 2.0 gm/cm^3 4. 4.0 gm/cm^3