

Chemistry Unit: Practice Test 56.5

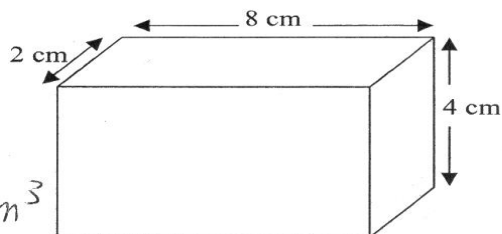
Name: Key

1. a) Calculate the volume of the following block of marble. Show all of your work.
b) Calculate the density if the mass is 400 g.

4

$$V = l \times w \times h$$
$$= 2 \times 8 \times 4$$
$$= 64 \text{ cm}^3$$

$$D = \frac{M}{V}$$
$$= \frac{400}{64}$$
$$= 6.25 \text{ g/cm}^3$$



2. A scientist is asked to identify a lump of metal. He decides to find its density. He measures the mass of metal, it is 48 g. Then he measures the volume of the metal which is 16 mL. Calculate the density of the metal. Show all of your work..

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$$D = \frac{M}{V}$$
$$= \frac{48}{16}$$
$$= 3 \text{ g/ml}$$

(-0.5 for wrong units)

3. State whether the following properties usually describe metals or non-metals.

- a) They can be many different colours. Non
b) When they are solid, they are usually brittle Non
c) They are found on the left-hand side of the Periodic Table Metal
d) They do not conduct electricity Non
e) They are almost always solid at room temperature Metal

4. Name any ~~three~~ ² metals, and give one use for each metal

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a) Gold - Jewelry
b) _____