

Is it a metal?

A group of students have been given ten different solids of varying shapes and sizes. For each solid, they have been asked to find out

- whether the solid is non-metal or metal.
- the relative density of the solid.

a) Outline a simple test the students could do to find out if the substances are metals or not.

b) Density can be calculated using the formula $\frac{m}{V}$.

Outline how the students could find out the mass (m) and volume (V) of the solids of varying shapes and sizes.

i) Mass

ii) Volume
