NATURAL SCIENCE TEST U.5 : MATTER AND FORCES Name: _____ Class: 4th ___ Number: ____ Date: __/___/____	

educare

TEST UNIT 5

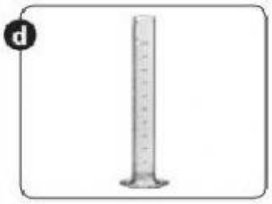
1 Label the instruments in the photos.

scale | measuring cup | balance | measuring cylinder

a

b

c

d 

_____ _____ _____ _____

_____ _____ _____ _____

2 Write *volume* or *mass*.

a A scale measures _____.

b A measuring cup measures _____.

c A balance measures _____.

d A measuring cylinder measures _____.

3

Circle the correct words.

a **Mass / Volume / Density** is the amount of matter something contains.

b **Mass / Volume / Density** is the amount of space matter occupies.

c **Mass / Volume / Density** is the relationship between the mass and volume of an object or substance.

d To find density, you divide **mass by volume / volume by mass**.

4 Match to make true sentences.

Solubility refers to	• if a material reflects and absorbs light.
Resistance refers to	• if a material is difficult to scratch.
Thermal conductivity refers to	• if a material breaks easily.
Hardness refers to	• if a material stretches.
Colour refers to	• if a material transfers heat.
Elasticity refers to	• if a material can be dissolved.

5 Label the forces in the photos.

gravity magnetism ~~friction~~ buoyancy

friction _____ _____ _____

6 Circle the correct words to make sentences.

a **Gravity / Friction / Buoyancy** is a non-contact force which **repels / attracts** all objects to the centre of the Earth.

b **Friction / Buoyancy / Magnetism** is a contact force which acts in the **same / opposite** direction as gravity.

c **Magnetism / Gravity / Friction** is a non-contact force which exists between **natural materials / some metals.**

d **Buoyancy / Gravity / Friction** is a contact force between two objects moving at **the same speed / different speeds.**

Check you answers!
When you finish, if you want to relax color this