



**NATURAL SCIENCE TEST
U.5 : MATTER AND FORCES**

Name: _____

Class: 4th _____ Number: _____ Date: __/__/__



TEST UNIT 5

1

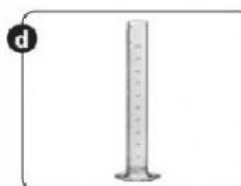
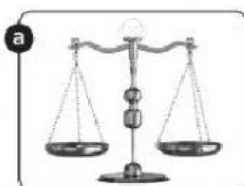
Label the instruments in the photos.

scale

measuring cup

balance

measuring cylinder



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

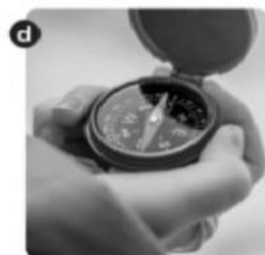
magnetism

~~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

