



COLEGIO VALDEFUENTES

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

Name: \_\_\_\_\_

Class: 4<sup>th</sup> \_\_\_\_\_ Number: \_\_\_\_\_ Date: \_\_\_\_\_/\_\_\_\_\_

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**TEST UNIT 5**

**1**

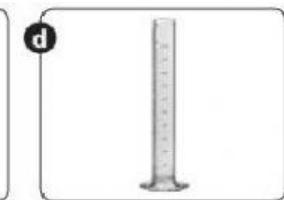
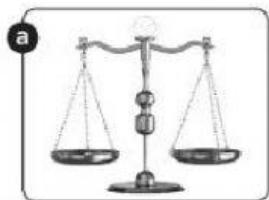
Label the instruments in the photos.

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

