

MATTER & ENERGY

UNIT 5

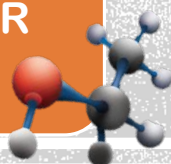


El Taller A stylized logo consisting of red and blue lines forming a shape, with a yellow circle above it.

UNIT 5: MATTER & ENERGY

CONTENTS

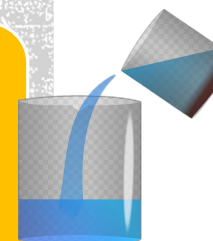
1. MATTER



2. REACTIONS



3. MIXTURES



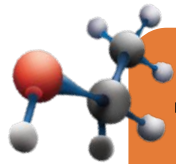
4. ENERGY



5. LIGHT
ENERGY



2



1. MATTER

DOES IT FLOAT OR SINK?

Some objects sink in water. Other objects float in water.

- Objects float when their density is lower than the density of the water.

FLOATING & SINKING

float

weight ↓

↑ force of water

sink

Buoyancy makes your body feel lighter in the swimming pool.

- Objects sink when their density is higher than the density of the water.



1. MATTER

DOES IT FLOAT OR SINK?

3. EXPERIMENT:

Predict

Will these objects sink or float in water?
Tell your partner.

<i>table tennis ball</i>	<i>coin</i>	<i>pencil</i>
<i>plastic spoon</i>	<i>metal ball</i>	<i>cork</i>

- Do the experiment. Fill a container with water. Carefully place each object on the surface of the water. Observe, then compare your predictions and the results with a partner.

The metal ball
will **sink** in water.

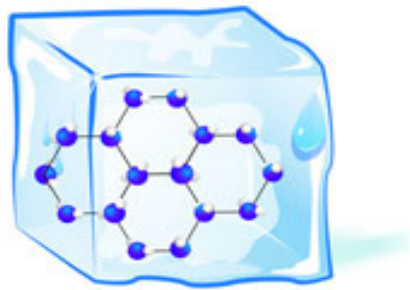


TAKE A PHOTO AND
SEND IT TO YOUR
TEACHER BY
CLASSDOJO.

STATES OF MATTER

There are three states of matter:

Solid



Solids have a fixed volume and a fixed shape.

Liquid



Liquids have a fixed volume, but take the shape of the container they are in.

Gas



Gases do not have a fixed volume or a fixed shape.