

UNIT 5: MATTER AND FORCES

Write the words for the definitions.

- a _____: the space that matter occupies.
- b _____: the ability of substances to conduct or transfer heat.
- c _____: the amount of matter in an object.
- d _____: the scratch-resistance of a solid.
- e _____: the amount of matter in a volume. It also explains why some objects float and others sink.
- f _____: the ability of a substance to dissolve in other substance and form a solution.

2. Classify the words into the correct column

CO_2 helium	orange juice perfume	ice oxygen	dust grass	olive oil
liquid	gas			solid

3. Use capital letter (mayúsculas)

Which of these changes of matter are physical or chemical? Write (P) or (C).

a fermentation	<input type="checkbox"/>	e oxidation	<input type="checkbox"/>
b frying an egg	<input type="checkbox"/>	f sharpening a pencil	<input type="checkbox"/>
c folding paper	<input type="checkbox"/>	g dissolving sugar in tea	<input type="checkbox"/>
d breaking glass	<input type="checkbox"/>	h sieving sand and small stones	<input type="checkbox"/>

4. Look at the photos about changes of matter. Complete the table with a tick depending of their properties.



photo	physical change	chemical change	reversible	irreversible
a				
b				
c				
d				
e				
f				

5. Indicate the photo in activity 4 that shows the following change.

a oxidation

b combustion

6.

What method do we need to separate the following substances? Answer.

- salt from sea water →
- sand and small rocks →
- paperclips and marbles →
- flour and uncooked rice →
- tea leaves and hot water →
- pure water from sea water →
- spaghetti and boiling water →
- sand and water →

