

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

liquid	gas	solid
_____	_____	_____
_____	_____	_____
_____	_____	_____

CO₂
helium

orange juice
perfume

ice
oxygen

dust

olive oil
grass

3. Use capital letter (mayúsculas)

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

- | | |
|--|---|
| a fermentation <input style="width: 40px; height: 25px;" type="text"/> | e oxidation <input style="width: 40px; height: 25px;" type="text"/> |
| b frying an egg <input style="width: 40px; height: 25px;" type="text"/> | f sharpening a pencil <input style="width: 40px; height: 25px;" type="text"/> |
| c folding paper <input style="width: 40px; height: 25px;" type="text"/> | g dissolving sugar in tea <input style="width: 40px; height: 25px;" type="text"/> |
| d breaking glass <input style="width: 40px; height: 25px;" type="text"/> | h sieving sand and small stones <input style="width: 40px; height: 25px;" type="text"/> |

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 →

