

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

CO₂ orange juice ice dust olive oil helium perfume oxygen grass		
liquid	gas	solid

3. Use capital letter (mayúsculas)

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

- | | |
|---|---|
| <p>a fermentation <input style="width: 40px; height: 25px; border: 1px solid black;" type="text"/></p> <p>b frying an egg <input style="width: 40px; height: 25px; border: 1px solid black;" type="text"/></p> <p>c folding paper <input style="width: 40px; height: 25px; border: 1px solid black;" type="text"/></p> <p>d breaking glass <input style="width: 40px; height: 25px; border: 1px solid black;" type="text"/></p> | <p>e oxidation <input style="width: 40px; height: 25px; border: 1px solid black;" type="text"/></p> <p>f sharpening a pencil <input style="width: 40px; height: 25px; border: 1px solid black;" type="text"/></p> <p>g dissolving sugar in tea <input style="width: 40px; height: 25px; border: 1px solid black;" type="text"/></p> <p>h sieving sand and small stones <input style="width: 40px; height: 25px; border: 1px solid black;" type="text"/></p> |
|---|---|

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 →

