

BOOKLET 8: MATTER

NAME: _____ CLASS: _____

1) Put these objects in order from light to heavy.

	Feather		Chair		Car		Glass Jug		Plastic Bottle
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2) Complete the table:

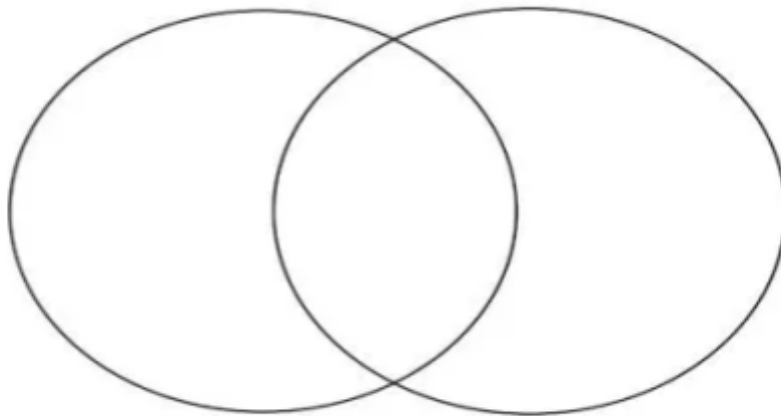
ORANGE JUICE, SMOKE (humo), GARAGE DOOR, FIZZY DRINK (bebida gaseosa), AIR, BOOK

SOLID	LIQUID	GAS

3) Complete the Venn diagram:

- 1) It is white; 2) It comes from an animal; 3) It is a liquid; 4) It is a solid; 5) It comes from a plant; 6) They are foods; 7) You can see it; 8) You can touch it; 9) It is red.

Glass of milk



Red apple



4) ARE THESE OBJECTS ARTIFICIAL OR NATURAL?: Plastic (plástico); glass (cristal); silk (seda); diamonds (diamantes), sand (arena), cotton (algodón), leather (cuero), paper (papel), wood (madera).

NATURAL	ARTIFICIAL

5) MATTER: Complete:

Everything that exists is _____. All living and non - living things are made of _____.

Matter is made of different _____.

NATURAL MATERIALS come from : _____

Examples: _____

ARTIFICIAL MATERIALS are: _____.

Examples: _____

Matter exist in 3 states: _____, _____ and _____

6) THE THREE STATES OF MATTER: (shape es la forma de algo; always es siempre):

Takes the shape of the container but NO expand.	-
Takes the shape of the container AND expands.	-
Have always the same shape.	

7) Copy the pictures and text of page 7.

All matter has VOLUME and MASS

8) Choose the right option: (Iron = hierro; has more = tiene más)

The amount of matter is....	MASS VOLUME MATTER	-
The space the matter occupies is...	MASS MATTER VOLUME	-
1 kg of plastic has more volume than 1 Kg of iron: TRUE/FALSE		
1 Kg of plastic has more mass than 1 Kg of iron (hierro): TRUE/FALSE		

9) WRITE THE THREE CHARACTERISTICS OF WATER:

10) CHARACTERISTICS OF WATER. MATCH

Colourless

No smell

Inodora

Odorless

No taste

Incolora

Tasteless

No colour

Insípida

11) ANSWER THE QUESTIONS:

- At what temperature the water becomes GAS? _____.
- Water is LIQUID between _____ and _____.
- Water is SOLID below _____.

12) HOW IS THE WATER AT THESE TEMPERATURES: SOLID, LIQUID OR GAS?

-15°		1°		-20°	
35°		-1°		30°	
120°		135°		17°	

13) HOW IS THE WATER?

14) CHANGES OF STATE: FUSION = MELTING; EVAPORATION

15) CHANGES OF STATE: SOLIDIFICATION (FREEZING IN WATER); CONDENSATION

16) WRITE THE RIGHT OPTION

From solid to liquid.	Fusion Condensation Evaporation	
From liquid to solid.	Condensation Solidification Fusion	
From vapour to liquid.	Evaporation Condensation Fusion	
From liquid to vapour.	Solidification Evaporation Condensation	

17) MAKE A PICTURE OF....

EVAPORATION (EVAPORACIÓN)	CONDENSATION (CONDENSACIÓN)
FUSION (FUSIÓN)	SOLIDIFICATION (SOLIDIFICACIÓN)

18) MIXTURES (MEZCLAS): Answer these questions:

What are the mixtures where we put two or more substances and WE CAN SEE THEM separately?	What are the mixtures where we put two or more substances BUT WE CAN'T SEE THEM separately?

19) ARE THESE MIXTURES HOMOGENEOUS OR HETEROGENEOUS?

ORANGE JUICE	FRUIT SALAD	COFFEE WITH MILK	PIZZA