THE MATTER

1) States of matter: complete the chart with the correct numbers

1- It has not a definite shape or volume.
2- It has a definite shape.
3- It adopts the shape of the container.
4- Particles vibrate.
5- Gold
6- There is a lot of space between particles.
7- Orange juice.
8- Smoke.
9- There is no space between particles.
10- There is some space between particles

SOLIDS	LIQUIDS	GAS

2) Which states of matter do the following drawings represent? Write the names in the box

3) Read the following examples. Then, say which change of state they are referring to

a- Formation of stalactites : _____

b- Drying hair: _____

c- Solid silver becomes liquid at 961°C: _____

d- A foggy window in a cold day: _____

4) For the following cases, decide if you have to **add heat or remove heat**

a- To change from a liquid to a solid, you have to _____

b- To change from a liquid to a gas , you have to _____

c- To change from a gas to a liquid, you have to _____

d- To change from a solid to a liquid, you have to _____

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5) Are these properties INTENSIVE or EXTENSIVE?

a- Temperature: _____

b- Mass: _____

c- Boiling point: _____

d- Solubility: _____

e- Volume: _____

f- Colour: _____

g- Texture: _____

h- Length: _____

i- Weight: _____

j- Flammability:_____

6) Answer True or False

a- A physical change is a change of matter from one form to another without change its composition:

_____

b- Colour change is evidence that a physical change has occurred: _____

c- Chemical changes can be reversed: _____

d- When you blow air into a balloon and it changes its shape, the balloon is going through a chemical change:

_____

7) Classify the following examples into **PHYSICAL** or **CHEMICAL CHANGES**

1- Ice melts:

2- Sulphur is burnt:

3- Gasoline explodes:

4- Liquid mercury is heated to produce gaseous mercury:

5- Salt dissolves in water:

6- Mate is getting rusty:

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