

UNIDAD EDUCATIVA BENJAMIN FRANKLIN
MONTHLY EVALUATION – 2ND QUIMESTRE – EXAM

Subject: Science

Teacher: Ing. Oshims. Stanley

Course: 8th grade



A. MATTER

❖ **Complete the statements below**

a. Matter is anything that has

b. The three states of matter are (a) _____ (b) _____ (c)

c. An element is a substance that

d. A mixture contains two or more

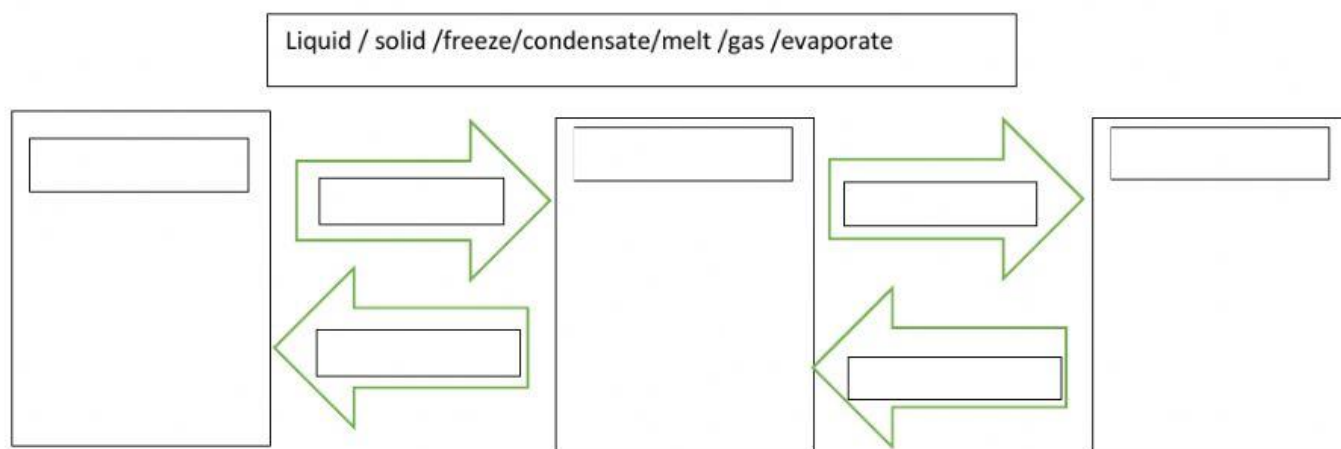
e. The two types of mixtures are (a) _____ (b)

f. Melting occurs when

g. Evaporation occurs when

h. Condensation occurs when

❖ Use the words in the box below to complete the diagram about the change of state of matter



❖ the following and give four examples each

a. Physical change

Examples

i. _____, ii _____, iii _____

b. Chemical change

Examples

i. _____, ii _____, iii _____

❖ Complete the table below with two examples each of the categories compound, mixture and element

Compound	Mixture	Element
<i>Water</i>	<i>Air</i>	<i>Oxygen</i>

❖ **Match the following with definition**

- Contains two or more substances that are not chemically joined. ELEMENT
- A substance which cannot be broken down into simpler component substances COMPOUND
- Contains two or more elements chemically joined together. PHYSICAL CHANGE
- A new compound (product) results from this change CHEMICAL CHANGE
- No new product is formed in this type of change MIXTURE

B. Separation techniques

❖ **Complete the sentences below with words in the box**

Solvent / water / chromatography / filtration / distillation / evaporation / solute

- A substance that dissolves a solute, resulting in a solution. _____
- The minor component in a solution, dissolved in the solvent. _____
- The universal solvent is _____
- Separates liquids of different boiling point _____
- Separate liquid and solid by boiling of the liquid _____
- Separate liquids of different colors _____
- Separate a solid that can dissolve from the one that cannot dissolve _____

C. WATER

❖ In the table below write Four characteristics of water

1	
2	
3	
4	

❖ Complete the following statement with the words provided in the: Note one answer can be used twice

water / 58- 67 % / H₂O / covalent / 100-degree Celsius / 0 degree Celsius / 70

- _____ an inorganic, transparent, tasteless, odorless, and nearly colorless chemical substance, which is the main constituent of Earth's hydrosphere.
- About _____ of the earth surface is covered by water.
- The chemical formular for water is _____
- The weight of the human body contains about _____ of water
- The molecules that make up water are bonded together by _____ bond
- The melting point of water is _____
- The boiling point of water is _____
- The freezing point of water is _____

❖ Define water purification

❖ Mention four methods of water purification

D. Water cycle

Explain the water cycle in your own words, then mention the three sources of water.