



# Musaeus College

Study Pack 2 / Week 2 / March 2020

Grade : 08

Subject : Science

Medium : English

Unit : 08

## Changes in Matter.

Lesson 01 – Changes in matter. → Physical change  
→ Chemical change

Refer text book pg. 107,108 and answer.

- i. What is a physical change?
- ii. Give 05 examples for physical changes

### Lesson 02 – ☆ Chemical changes.

Refer text book pg.107,108 and answer

- i. What is a chemical change?
- ii. Give 05 examples for chemical changes
- iii. Classify the following changes as physical changes and chemical changes.
  - a. Burning of a paper \_\_\_\_\_
  - b. Corossion of iron \_\_\_\_\_
  - c. Dissolving salt in water \_\_\_\_\_
  - d. Burning of camphor \_\_\_\_\_
  - e. Breaking granite into pieces \_\_\_\_\_
  - f. Melting of ice \_\_\_\_\_
  - g. Solidification of coconut oil \_\_\_\_\_
  - h. Burning of magnesium in air \_\_\_\_\_
  - i. Ripening of fruits \_\_\_\_\_
  - j. Melting of solid wax \_\_\_\_\_

### Lesson 03– changes of state as physical change

Refer textbook pg.109,110 and answer

- i. The transition of a substance from the solid state to liquid state is called \_\_\_\_\_
- ii. Transitions of a substance from the liquid state to solid state is called \_\_\_\_\_
- iii. The change of a liquid into a gas is known as \_\_\_\_\_
- iv. The conversion of a substance that exists in the gaseous state into liquid state is called \_\_\_\_\_
- v. The turning of a solid into vapour without passing through the liquid state is known as \_\_\_\_\_

### Lesson 04– Chemical changes

Refer text book pg.110,112 and answer

- i. What is the difference between a physical change and a chemical change?
- ii. What are reactants?
- iii. What are products?
- iv. What are the evidences to show that a chemical reaction takes place? Write 05 of them.
- v. Write word equations for the following
  - a. Carbon + Oxygen = \_\_\_\_\_
  - b. Sulphur + Oxygen = \_\_\_\_\_
  - c. Iron + Oxygen = \_\_\_\_\_
  - d. Zinc + Oxygen = \_\_\_\_\_
  - e. Magnesium + Oxygen = \_\_\_\_\_

### Lesson 05– Law of conservation of mass.

Refer text book pg.113\_115 and answer

- i. What is a closed system?
- ii. What is an open system?
- iii. Write the law of conservation of mass.

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