

**1040 TAGI TAGI SANGAM SCHOOL**  
**WORKSHEET FOR WEEK 7 (12<sup>TH</sup> - 16<sup>TH</sup> JULY, 2021)**  
**BASIC SCIENCE YEAR 8**

**STRAND: Matter**

**SUB-STRAND: Materials**

**CLO:** Account for the different properties of mixture and compounds and discuss the different methods of separation.

Reference: Year 8 Basic Science Text book page:64 & 65

Name:

## Mixtures and Compounds

### Notes

#### Definition

**Mixtures** - Is made up of two or more different substances which are mixed and not combined chemically.

**Compounds** - A substance made up of two or more different elements chemically joined together.

### Properties of Mixtures and Compounds

<u>Mixtures</u>	<u>Compounds</u>
<ul style="list-style-type: none"><li>➤ Composition of mixture is variable</li><li>➤ Each components retains its characteristic properties</li><li>➤ Components are easily separated</li></ul>	<ul style="list-style-type: none"><li>➤ Relative properties of the elements are fixed</li><li>➤ Do not retain individual properties E.g. both sodium and chlorine are poisonous but their compound NaCl (table salt) is essential to life.</li><li>➤ Take a lot of energy to separate components of compound</li></ul>

### Examples of Mixtures and Compounds

<u>Mixtures</u>	<u>Compounds</u>
Soil, ocean water, air	Water, table salt, sugar

## Mixtures and Compounds

### Questions

1. Define the term mixtures.

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2. Define the term Compounds.

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3. Write true or false for the following statements.

- i. Mixtures are very hard piece of substances. \_\_\_\_\_
- ii. Mixtures can be physically separated. \_\_\_\_\_
- iii. Compounds are product of two or more mixtures. \_\_\_\_\_
- iv. Soil is an example of a mixture. \_\_\_\_\_
- v. Compounds cannot be separated at all. \_\_\_\_\_

4. What is the chemical name of the table salt?

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5. Write two properties of a mixture.

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6. Write two properties of a Compound.

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**ALL THE BEST**