

# ELEMENTS, COMPOUNDS AND MIXTURES

SUBJECT-CHEMISTRY

CHAPTER-03

CHAPTER NAME-ELEMENTS, COMPOUNDS AND MIXTURES

PERIOD-3

**CHANGING YOUR TOMORROW**



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# LEARNING OBJECTIVE

- You will be able to know about the mixtures along with examples.
- You would know about the characteristics of the mixtures.
- You would be able to know of the homogenous and heterogenous mixtures.

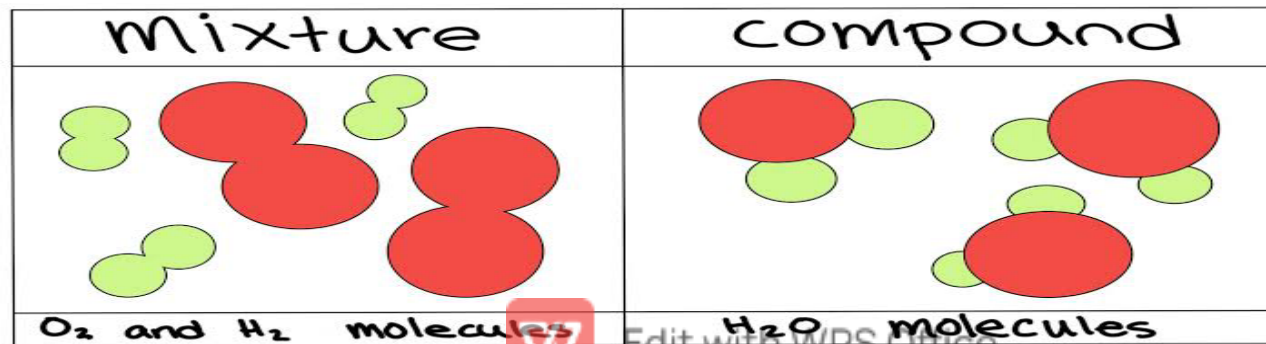


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# MIXTURE

## Mixture

- Any impure substances that are made up of two or more materials combined in any ratio.
- The components of a mixture can be separated easily by physical methods.



# CHARACTERISTICS OF MIXTURES

Various elements just mix together to form a mixture and no new compound is formed.

A mixture has a variable composition.

A mixture shows the properties of its constituents.

They do not have a fixed melting point, boiling point, etc.

The constituents can be separated easily by physical methods



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# DIFFERENTIATION BETWEEN HOMOGENOUS AND HETEROGENOUS MIXTURE

S. No.	Homogeneous mixture	Heterogeneous mixture
1.	All the components of the mixture are uniformly mixed. <a href="https://youtu.be/dW1Vn6cbTRE">https://youtu.be/dW1Vn6cbTRE</a>	All the components of the mixture are not thoroughly mixed.
2.	No separation boundaries are visible.	Separation boundaries are visible.
3.	It consists of a single phase.	It consists of two or more phases.



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# VIDEO TIME

<https://youtu.be/dW1Vn6cbTRE>



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# HOME ASSIGNMENT

- ❑ Exercise-II Q1 & Q2
- ❑ Justify why air is a mixture while water is a compound.
- ❑ Differentiate between Homogenous and Heterogenous Mixture.
- ❑ Explain the characteristics of Mixture with example.



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THANKING YOU

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