

PHYSICAL AND CHEMICAL CHANGES

SUBJECT-CHEMISTRY
CHAPTER NO- 2
Physical and chemical changes-physical change- characteristics and examples
PERIOD-3

CHANGING YOUR TOMORROW

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LEARNING OBJECTIVE

Students will be able to

- Understand the meaning of physical change
- Distinguish the two types of changes- physical and chemical changes
- Familiarize with the characteristics of physical change
- Sensitize different examples of physical changes





WARM UP QUESTIONS

- Recapitulation of the previous topic by asking following questions.
- Differentiate between periodic and non periodic changes. Give some example
- Differentiate between desirable and non desirable changes
- Differentiate between reversible and irreversible changes



Physical change

- Physical Properties of a substance are those characteristic of a substance that describes its physical nature.
- For Example color, density, shape, size and volume are some physical properties.
- Physical Change is a change which occurs when there is an alteration in the physical properties of a substance.
- The physical change does not result in the formation of any new substance but can alter the shape and size of the existing substance.



- ➤ Demonstrate activity 5, 6 and 8 in the class
- ➤ Show a video for better understanding of the concept
- https://youtu.be/qXGGQWOmpxE

Physical properties



















Measure
The temperature is high



Characteristics of physical change

Characteristics of Physical Changes

- During a physical change, only physical properties (such as size, shape, colour and state) changes.
- During a physical change, no new substances is formed.
- A physical change can be either reversible or irreversible(Dissolving sugar in water is a reversible change).
- No very small amount of energy is either absorbed or evolved during a physical change.



Different examples of physical changes





- Demonstrate any one of each type of change by showing images based on real life examples- like burning of fuel for cooking, cutting of trees, floods
- Show a video for better understanding of the concept
- https://youtu.be/FuZKaM5X1L8



HOME ASSIGNMENT

- Exercise-4,5
- Q. Write the characteristics of physical changes
- Q. Give some examples of physical changes



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