

## Changes in Matter - Physical Changes



### Changes In Matter

Matter can change from one state to another on heating or cooling. Matters can be changed from one form to another. They can be changed to produce a totally different kind of substance.

**Melting:** When ice is kept out of a refrigerator, it melts into water. The process of changing a solid into a liquid on heating is changes in matter.



### Physical Change

- A. In a physical change no new substance is made like when water turns to ice.
- B. Properties such as shape, size, volume, color, appearance and state of a substance (solid, liquid and gas) are called physical properties.
- C. A change in which a substance undergoes a change in its physical properties is termed physical change.
- D. For example, if a piece of paper is cut into small pieces it remains a paper.
- E. It is a physical change in the shape and size of the paper.
- F. Examples of physical changes: boiling water, breaking a glass, melting an ice cube, freezing water, mixing sand and water, crumpling of paper and melting a sugar cube.

