

Section 5.2 Physical and Chemical Changes

PHYSICAL CHANGES

In a physical change, the substance that is involved _____
even though its form or state may change.

- Changes of state - _____, _____,
_____, _____, and
_____ - are all physical changes.
- The particles of a substance either move closer together or farther apart, or they mix with other particles of other substances. No _____
are produced!!
- Changes that can be reversed are called _____.
- Changes that cannot be reversed are called _____.

CHEMICAL CHANGES

In a chemical change, the original substance is _____ into one or more
_____ substances with different properties.

- Chemical changes always involve the production of _____.
- Most chemical changes are _____ to reverse.

DETERMINING WHETHER A CHANGE IS PHYSICAL OR CHEMICAL

You can often _____ the results of a chemical change. Five clues that a chemical change has occurred are:

- A new _____ appears
- _____, _____, or _____ is given off (or absorbed).
- _____ of gas are formed. A new _____ may be noticed.
- A _____ (called a precipitate) forms in a liquid.
- The change is difficult or impossible to _____.