

# Notes- Physical & Chemical Changes

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## Physical Change

A \_\_\_\_\_ Change is when an object \_\_\_\_\_ a physical \_\_\_\_\_.

A change in \_\_\_\_\_, shape, \_\_\_\_\_, or \_\_\_\_\_.

The object \_\_\_\_\_ is the \_\_\_\_\_ thing.

Examples of Physical Changes

\_\_\_\_\_ Paper

\_\_\_\_\_ Water

\_\_\_\_\_ Hair

\_\_\_\_\_ Brick

## Chemical Change

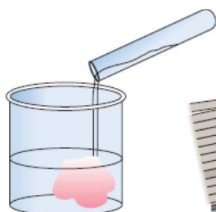
A \_\_\_\_\_ Change is a \_\_\_\_\_ in the chemical \_\_\_\_\_ of the object.

The object \_\_\_\_\_ a \_\_\_\_\_ object.

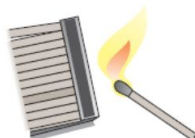
Something \_\_\_\_\_ is \_\_\_\_\_

## Keys to Identifying a Chemical Change

1. \_\_\_\_\_ change
2. \_\_\_\_\_ change
3. Heat, \_\_\_\_\_ or Sound is given off.
4. Formation of a \_\_\_\_\_, \_\_\_\_\_, or \_\_\_\_\_.
5. Formation of a \_\_\_\_\_.



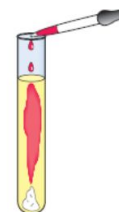
A new colour appears.



Heat, light, or sound is given off (or absorbed).



Bubbles of gas are formed. A new odour may be noticed.



A solid material (called a precipitate) forms in a liquid.



The change is difficult or impossible to reverse.

## Chemical Change

### Examples of Chemical Changes

- \_\_\_\_\_ exploding
- An apple \_\_\_\_\_
- \_\_\_\_\_ cookies
- Photosynthesis/Respiration
- \_\_\_\_\_
- Combustion (\_\_\_\_\_)

## Chemical Reactions

- Chemical Reaction -- A \_\_\_\_\_ in which some substances \_\_\_\_\_ into different substances.
- Ex: Magnesium + \_\_\_\_\_ → Magnesium Oxide

## Chemical Equations

- \_\_\_\_\_ – starting substance
- On \_\_\_\_\_ of arrow
- Products – \_\_\_\_\_ substance... what is \_\_\_\_\_.
- On \_\_\_\_\_ of arrow
- \_\_\_\_\_ → Products

