

## Physical vs. Chemical Changes

- Physical change - change in the size, shape, or state of matter (change in appearance)
  - no new substance is formed
  - can usually be reversed
  - ice melting

- Chemical change - a change in matter that creates a new substance
  - usually cannot be reversed
  - baking a cake

### Evidence of physical & chemical changes:

Physical	Chemical
- color change	- color change
- size change	- fizzing
- shape change	- foaming
- state change	- heat/cold produced
- dissolving	- sound produced
- bending	- odor produced
- crushing	- light produced
- mixing	- burning/cooking
- cutting	- NEW SUBSTANCE
- NO NEW SUBSTANCE	