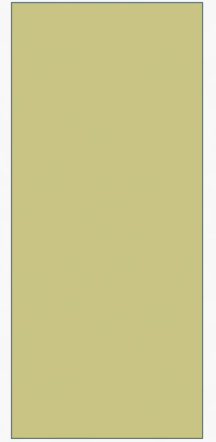


CHANGES IN MATTER



WHAT IS A SOLUTION?

- When one or more substances dissolve in another.



WHAT IS A MIXTURE?

- Two or more kinds of matter placed together.



A CHEMICAL CHANGE IS

- When one kind of matter changes to a different kind of matter.
 - Ex: Baking bread
 - Burning a piece of paper

Think: Can you reverse the change? If no, then it is a CHEMICAL change.

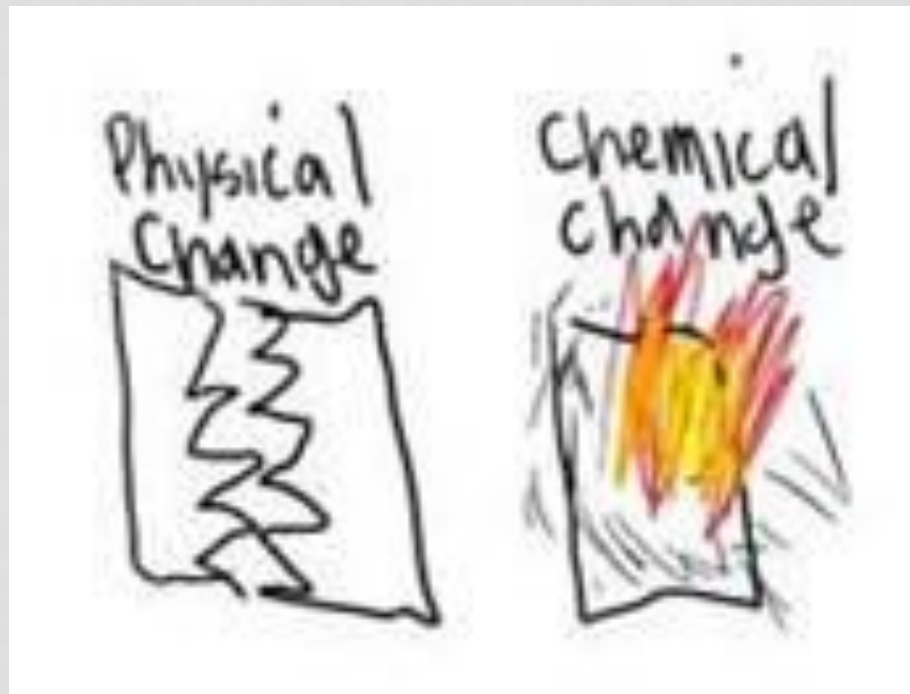
A PHYSICAL CHANGE IS

- When it changes the way and the **shape** it looks, without becoming a new kind of matter.
 - Cutting paper
 - Freezing Ice- you can always “un-freeze” the ice.
 - Breaking a glass



WHICH IS A PHYSICAL CHANGE ??

- Cooking eggs
- Burning wood
- Cutting apples



SALT WATER IS A _____ BECAUSE ONE SUBSTANCES DISSOLVES INTO ANOTHER

- Solution
- Chemical change
- Mixture

A TOSSED SALAD IS AN EXAMPLE OF?

- Solution
- Physical change
- **Mixture**



WHY IS BAKING A CAKE A CHEMICAL CHANGE?

- A.) The substances that make up the bread are cooled.
- **B.)** The substances that make up the batter become a different kind of matter.
- C.) The substances that make up the bread can be separated easily.

WHAT IS THE SCULPTOR DOING TO THE ROCK?



- A. Causing a physical change
- B. Causing a chemical change
- C. Nothing
- D. Both physical and chemical change


HOW CAN YOU SEPARATE SALT WATER?

- By boiling it

When you boil water, it evaporates and the salt water is left in the container.

WHICH IS A CHEMICAL CHANGE?

- Frying an egg
- Freezing water
- Making lemonade

 • Think--→ If it is a chemical change, the chemicals have changed, and I can't "undo" it.

PHYSICAL OR CHEMICAL?

- Maria shredded her homework sheet----
- Ben folded his brand new shirt---
- Ms. Timmy baked cupcakes--
- Mrs. Gonzalez broke a pencil--