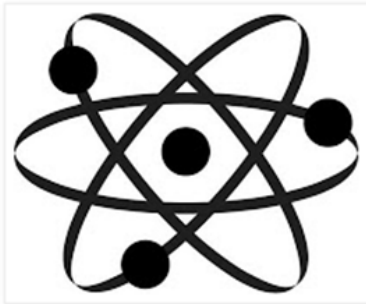




Physical vs. Chemical Changes



Information About Me

Gender (Circle One): Male Female Grade: _____

Are you part of a Military Family? (Circle One): Yes No

Race & Ethnicity (Circle any that apply):

White African-American or Black Asian

American Indian Pacific Islander Hispanic ethnicity



Each circled item is a different question. You will record answers for each item depending on if it was selected/circled.

1 = If circled, 0 = Not circled

Is _____
CIRCLE all that _____
is going through a CHEMICAL change

Bubbles (gas)

Nothing

Color change

Light is produced

Heat is released

The substance gets smaller

Change from solid to a liquid

Odor

Sound is produced

In data tabulation spreadsheet, for each question, enter:

1 = If answered correctly

0 = If answered incorrectly

XX = If left blank/not answered

Is it a physical or chemical change?

CIRCLE the correct type of change.

| | |
|-----------------------------|---|
| <u>PHYSICAL</u> or CHEMICAL | Mowing the grass. |
| PHYSICAL or <u>CHEMICAL</u> | Mixing flour, eggs, sugar, and baking a cake. |
| <u>PHYSICAL</u> or CHEMICAL | Rip a piece of paper in half. |
| PHYSICAL or <u>CHEMICAL</u> | Burn a piece of paper, creating ash around the edges. |
| PHYSICAL or <u>CHEMICAL</u> | Digesting your food. |

TURN OVER PLEASE →





Physical vs. Chemical Changes



My favorite thing about this lesson:

In data tabulation spreadsheet, for each experiment/question, enter:

1 = If answered correctly

0 = If answered incorrectly

Experiments

What was observed?

Chemical or physical change or both?

| | |
|-----------------------|--|
| Dancing Craisins | PHYSICAL or CHEMICAL or BOTH |
| Elephant Toothpaste | PHYSICAL or CHEMICAL or BOTH |
| Walking through Paper | PHYSICAL or CHEMICAL or BOTH |

In data tabulation spreadsheet, for each question, enter:

1 = If answered correctly

0 = If answered incorrectly

XX = If left blank/not answered

Physical vs. Chemical Changes

Answer that fills in the blank for each question below.

1. In a _____ change, matter reacts with other matter and a new substance is made.

Physical **Chemical**

2. In a _____ change, a substance stays the same, just in a different form.

Physical Chemical