

JOURNAL 12/2

Fill out the warm-up at your table with a table partner.

Take out your graphic organizer

Is it a Physical or Chemical Change?

Name: _____

Classify each of the following as C for chemical or P for physical change.

P 1. Rubbing Alcohol evaporates

C 2. Baking soda neutralizes acids

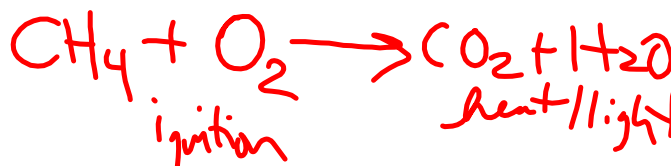
P 3. Heating a pan on the stove

C 4. An old sandwich rots in your locker.

C 5. Lighting a fart on fire

P 6. Mixing a pitcher of Kool-Aid

- Go over "Changes Graphic Organizer"



Changes in Matter

A physical change is...

- Changes 1 or more physical properties
- doesn't change chemical identity of substance

Examples of Physical Changes

melting iron

freezing water

Sugar dissolving into water

A physical change is NOT...

making a new substance
chemical change

A physical change can be reversed by.
adding/removing energy
physically

A chemical change is...

irreversible process that changes the chemical identity of one or more substances

Examples of Chemical Changes

burning paper

copper tarnishing
(statue of liberty)

baking soda/vinegar

Draw or
Describe

A chemical change is NOT...

physical change
not breaking stick
just changing a few
physical properties

A chemical change can be reversed by.
can't be reverse physical
sometimes chemically

Evidence for Chemical Changes

How do you know a chemical change has occurred ?

It released a gas

Color Change

Energy released
produces heat + light

Changes in Matter

A physical change is...

substance - changes
physical property but
not a new substance
"same chemical"

Examples of Physical Changes

Cutting worm

freezing -

bending paperclip
melting butter

A physical change is NOT....

- bubbling
- color change
- making new substance

A physical change can be reversed by.

physical means
filter, freezing, boiling

A chemical change is...

Change all properties
and
makes new substance

Examples of Chemical Changes

Sour milk

burning marshmallow

copper tarnishes
hydrogen exploding -

A chemical change is NOT....

Physical change
melting or freezing

A chemical change can be reversed by.

Mostly irreversible change
Sometimes other chemical

Evidence for Chemical Changes

How do you know a chemical change has occurred ?

produced a gas

changed color

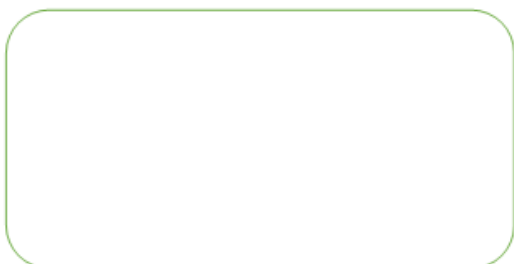
new smell

produce heat

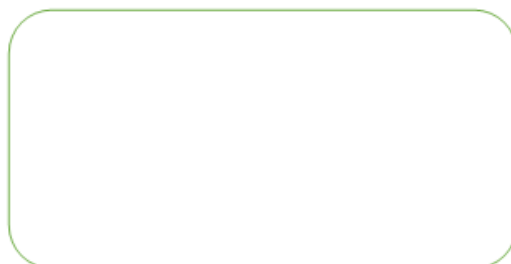
produce light

Changes in Matter

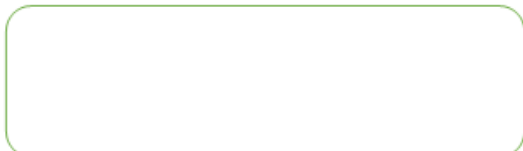
A physical change is...



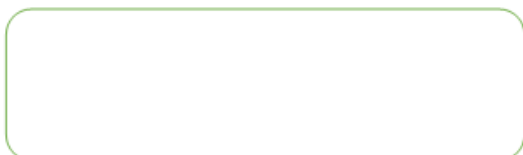
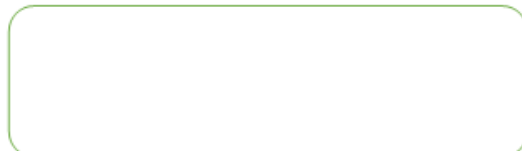
A chemical change is...



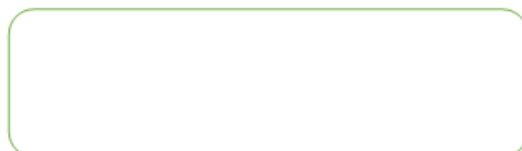
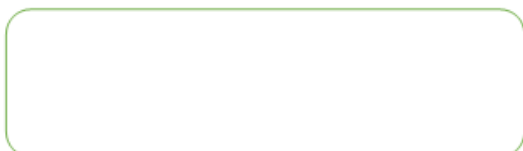
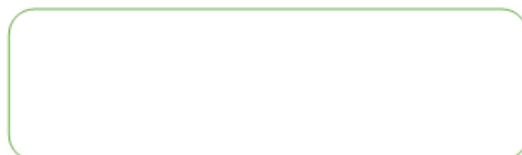
Examples of Physical Changes



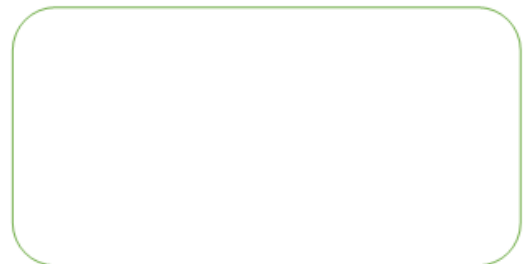
Examples of Chemical Changes



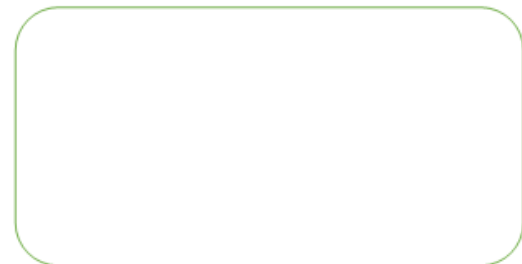
Draw or
Describe



A physical change is NOT....



A chemical change is NOT....



A physical change can be reversed by.

A chemical change can be reversed by.

Attachments



Atomic Theory.ppt



Atoms, Elements and Properties.pptx



Properties.pptx



Element Observation.docx



Frayar model 2.doc



Notes on Matter.pptx



abbreviation in metric system.notebook



Measurement in the Lab.pdf



Observation and Inference Only Notes.notebook



matter notes and journal.notebook



how to build a data table lesson.notebook



particles of matter journal and notes.notebook



States of Matter journal and notes.notebook



Gas Laws.notebook

Properties.pptx



What is an Element.pptx

M NM MD Graphic Organizer Class Notes.docx



compound infographic.pub