Quizizz

NAME : _____

CLASS : _____

DATE : _____

Physical and Chemical Properties
25 Questions

1. Physical properties....

change the matter when studied

can be observed and measured **without** changing the matter being studied

include the ability to burn and rust

are useless unless studied in a lab

2. _____ can only be recognized when substances **react** or do **not** react **chemically** with one another.

Physical properties

Chemical properties

Flammable properties

Colorful properties

3. Flammability means the ability to _____ and is a _____ property.

melt; chemical

rust; physical

change; physical

burn; chemical

4. Which of the following is not a chemical property?

rusting

boiling

rotting

burning

5. Which one of these is a chemical property?

melting point

boiling point

color

flammability

6. Which is an example of a physical property?

ability to react with acid

state of matter

flammability

ability to react with oxygen

7. 

Which of the following is a chemical property of water?

Reacts with pure sodium

Boils at 100 ^{o}C

Is liquid at room temperature

Has a density of 1 gm/mL

8. Choose the one that is a chemical property

Magnetism

Size

Color

Reactivity with water

9. What is the outcome of observing a chemical property?

Nothing

A new substance is formed with different properties

NaCl

A rise in thermal conductivity

10. Cooking an egg is an example of...

A chemical change

A physical change

Melting

Dissolving

11. Melting ice is an example of...

A physical change

A chemical change

Purification

Magic

12. Which of the following is a sign that a chemical reaction has occurred?

change in shape

melting

formation of a gas

dissolving

13. Which of the following is NOT an example of a physical change?

crumpled paper

pencil sharpening

shrunken clothing

rust

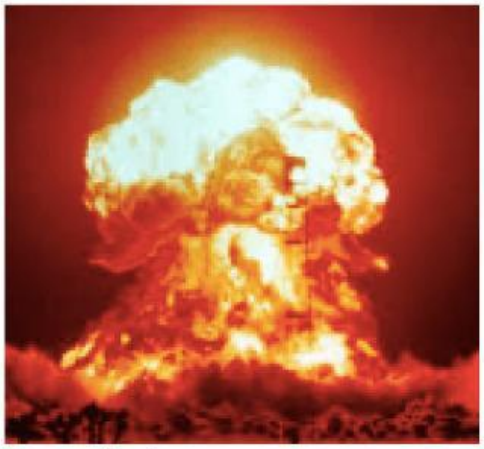
14. Which of these is a result of a chemical change?

A mixture

A solution

A new substance

Melting or freezing

15. 

An explosion occurs ...

Chemical Change

Physical Change

16. A green powder is heated & a gas is given off while it turns to a black solid. This describes

Physical Change

Chemical Change

Change in State

Change in Temperature

17. A Chemical Change is also known as what?

Physical Change

Physical Property

Chemical Reaction

Chemical Property

18. Which of the following could indicate that a chemical change took place?

Change in color

Production of Energy

Formation of Gas

All are correct

19. The formation of a solid when two liquids combine is called?

Solidification

Freezing

Precipitate

Solubility

20. 

Identify what type of change happening in the picture below...

Chemical Reaction

Physical Change

Change in State

Change in appearance only

21. 

Identify what type of change happening in the picture below...

Chemical Change

Physical Change

Endothermic Reaction

Exothermic Reaction

22. What happens to the total mass of the substances after a chemical reaction?

It decreases.

It increases.

It remains the same.

It increases then decreases.

23. What is the Law of Conservation of mass?

Mass is created in a chemical reaction

Mass is created in a physical change

New chemicals formed from a chemical reaction have a larger overall mass than the original reactants

Mass is never created or destroyed

24. In a reaction A + B ----> C, reactant A has 5g and product C has 9g. How many grams does reactant B should have?

4g

5g

9g

14g

25. What is the law of conservation of mass?

The amount of matter changes when reacted or changed.

The mass of all reactants are changed during a physical or chemical change

The mass of the reactants equals the mass of the products

The mass of the products is different than the mass of the reactants.