**Name: Period:**

**PSB Unit 1 - Matter**

**Properties of Matter Worksheet**

**Directions:** *Below are two sets of words. Complete the second set by choosing a word from those listed below the blank. The two words must be related in the same way as the first set of words.*

**EXAMPLE**

letter:envelope::pillow:

case

case, sheet, soft, bed

16. steam:water::water:

heat, molecules, ice, matter

17. physical:chemical::size:

flammability, taste, solubility, acid

18. chemical:rust::physical:

compound, condensation, solid, change

19. physical:density::chemical:

size, melting, flammable, ice

20. solid:steel::gaseous:

coal, air, water, gasoline

21. burning:candle::rust:

vaporization, physical property, iron, mixture

22. smell:rotten eggs::heat and light:

burning logs, mountains, river deltas, ice water

23. gold:gold leaf::copper:

ice, wire, mass, rust

**Directions:** *Answer the following questions on the lines provided.*

24. What is the difference between a physical change and a chemical change?

25. Name some physical properties.

26. Explain how a pile of ashes has the same mass as the original log before it was burned. What is the law that defines this (assuming a completely dry log and no combustible products escaped in the air) called?

27. Have you ever created a physical change? A chemical? Explain.