Sci 9 Matter Review

1. What are the two defining characteristics of matter?
2. What is the definition of a physical property of matter?
3. Define the following physical properties of matter:
4. Density
5. Ductility
6. Malleability
7. Conductivity
8. Melting Point
9. Solubility
10. List three chemical properties of matter.
11. List the characteristics of a physical change in matter.
12. What is the key difference between a physical change and a chemical change of matter?
13. List four possible indicators that a chemical change has taken place.
14. Define the following:
15. Pure substance
16. Element
17. Compound
18. Homogeneous mixture
19. Heterogeneous mixture
20. Colloid
21. Solution
22. Solute
23. Solvent
24. List the three point of Kinetic Molecular theory.
25. Calculate the density of a bolder that has a volume of 5000ml and a mass of 10 000g.
26. A block of copper has a mass of 4000g and has a volume of 446.9 ml. What is the density?
27. Silver has a density of 10.5g/ml. What is the mass of a block of silver that measures 25cm by 25cm by 10cm?
28. The density of pure water is 1g/ml. If an object floats in water if must have a density of less than or more than 1g/ml?
29. 10 ml of an unknown liquid was poured into a beaker to find the mass. The mass of the dry beaker was 11.5g and the mas of the beaker and the liquid was 24.1 g. What is the density of the liquid?