

Physical and Chemical Properties and Changes Worksheet 2

Classify the following as a physical or chemical property:

1. Water boils at 100°C.
2. Diamonds are capable of cutting glass.
3. Water can be separated by electrolysis into hydrogen and oxygen.
4. Coal can be ground into a powder.
5. Copper wire can conduct electricity.
6. Water vaporizes into steam.
7. Silver tarnishes.
8. Iron is denser than aluminum.
9. Sugar dissolves in water.
10. Paper is flammable
11. Helium is a gas at room temperature

Classify the following as a physical or chemical change:

12. Silver nitrate dissolves in water.
13. Iron is separated from sulfur with a magnet.
14. A copper turns into a liquid at 1083.0 °C.
15. Vinegar is added to baking soda and bubbles are produced.
16. Gasoline burns in the presence of oxygen.
17. An aqueous solution of sodium chloride is heated and you are left with a white powder.
18. Dry ice, solid carbon dioxide, sublimates at room temperature.
19. Oily swirls are observed when boric acid dissolves in water.
20. Magnesium is added to hydrochloric acid and the test tube gets warm.

21. Sugar is heated for an extended time and it turns brown and an odor is emitted.
22. Your stomach digests your breakfast.
23. A wound heals.
24. A tree grows.
25. Combining chili sauce and mayonnaise makes Thousand Island dressing.
26. A hamburger is grilled.
27. Milk goes "bad" in the refrigerator.