



Physical and Chemical class 7

1. What is physical and chemical change? give examples
2. Give two examples where both physical and chemical changes take place
3. What happens when
 - a) Magnesium ribbon is burnt in air
 - b) Iron nail is dipped in copper sulphate solution
 - c) Write the equation for these process
 - d) Name the type of change
4. When Magnesium is burnt in air a powdery ash is formed. X is dissolved in water to form y.
 - a) Identify x and y
 - b) What is the action of y on litmus?
 - c) Write chemical equation for the same
5. When baking soda is added to vinegar, bubbles are formed with the evolution of gas.
Identify the gas. Write down the chemical equation
6. Define crystal. Explain the process of formation of crystals. What is the importance?
7. State two condition to form rust. How can we prevent rusting? Write down the equation of rusting
8. Identify physical or chemical changes
 - a) Ripening of fruits
 - b) Drying of wet cloths
 - c) Making of curd from milk
 - d) Formation of clouds
 - e) Lightening during thunderstorm
 - f) Boiling of water
 - g) Grinding of wheat
 - h) Charging of car battery
 - i) Bursting of cracker
 - j) Burning of magnesium ribbon

9. Complete the equation

Magnesium+ copper sulphate=

Copper sulphate solution + iron=

Vinegar + baking soda=

Iron+ oxygen+ water=

10. Chemical changes are always

11. Exothermic reactions are to produce.....

12. A solid having geometric shape.....

13. Magnesium oxide is..... In nature

14. Galvanization is the use of

15. What are the different characters of physical change

16. How can you prove that you exhale carbon di oxide

17. What are the products of vinegar and baking soda?

18. What are the conditions of combustion?

19. Give examples of combustible substances and fuel

20. All combustible substances are not fuel but all fuels are combustible substances. justify

21. How can you burn a paper from the sunlight?

22. Physical changes are not always reversible

23. What is weathering of the soil?

24. What are the physical, chemical and biological factors of weathering?

25. What is soil erosion? Factors affecting erosion? how can you reduce it?