



INDIAN SCHOOL DARSAIT
DEPARTMENT OF CHEMISTRY
WORKSHEET



Subject : SCIENCE

**Chapter : Physical and
Chemical Changes**

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Name of the Student : _____ Class & Division : VII--- Roll Number : -----

1.	The metal used for galvanisation is (a) copper (b) zinc (c) lead (d) tin	1
2.	Crystallisation is a (a) chemical change (b) physical change (c) both of these (d) none of these	1
3.	Rusting of iron requires (a) only oxygen (b) only water (c) both air and water (d) none of these	1
4.	When an iron nail is dipped in copper sulphate solution and kept for half an hour (a) a chemical reaction takes place (b) the solution turns blue to green (c) a brown layer is deposited on the nail (d) all of (a), (b) and (c) will happen	1
5.	Complete the word equations given below: (a) Magnesium + Oxygen → (b) Iron + oxygen + water → (c) Iron + Copper sulphate → (d) Magnesium oxide + Water → (e) Carbon dioxide + Lime water → (f) Vinegar + Baking soda →	1 each
6.	Write True or False: (a) Burning of wood is a physical change. (b) Souring of milk is a chemical change. (c) Dissolving sugar in water is a chemical change. (d) Vaporisation is a physical change. (e) Heating a metallic rod is a chemical change.	1 each
7.	Differentiate between physical and chemical changes. [Any four points]	2

8.	What is galvanisation? What is the use of this process?	2
9.	Why are tools and machine parts coated with oil or grease?	2
10.	What is Crystallisation and what way is the process useful to us?	2
11.	How rust is formed? Write the word equation for this reaction.	2
12.	Why is stainless steel preferred to make utensils?	2
13.	Some body parts of vehicles are chrome plated. Why?	2
14.	Write any four methods to prevent rusting.	2
15.	Explain why rusting of iron objects is faster in coastal areas than in deserts.	2
16.	When baking soda is mixed with lemon juice, bubbles are formed with the evolution of a gas. What type of change is it? Explain with the word equation. Also identify and write a test for the gas evolved during this change.	3
17.	When a candle burns, both physical and chemical changes take place. Explain why?	3
18.	Give reason: (a) Ships get damaged inspite of being painted. (b) Explosion of firework is a chemical change. (c) Ozone depletion is a chemical change.	3