

## **Project -2014-15 (summer vacation)**

### **VII A,B,C**

*Prepare a picture album showing autotrophs, heterotrophs, insectivorous plants, parasites, saprotrophs, algae, leguminous plants etc.*

*Diagram drawing – Life stages of silk worm*

*Home work: Nutrition in plants exercises no.2,3,4,&5 questions*

*Diagram drawing and labelling (1st chapter )*

### **X A,B,C**

#### **WRITTEN ASSIGNMENTS**

- 1. Write the names of any 20 elements with their symbols and also Latin names if exist.*
- 2. Write the names of 10 compounds around you with their chemical name and formula.*
- 3. Write the names of any 10 exothermic and endothermic reactions in day to day life.*

#### **GROUP ACTIVITY- DEMO**

*Prepare an electric circuit of any kind and its working principle with a circuit diagram.*

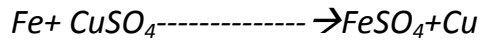
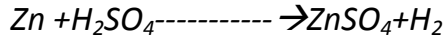
#### **HOME WORK**

#### **Answer the given questions:(chemical reactions and equations)**

- 1. Why are decomposition reactions called the opposite of combination reactions? Give examples to explain.*
- 2. Write one example each for decomposition reactions where energy is supplied in the form of heat, light and electricity.*
- 3. Why do we apply paint on iron articles?*

4. Oil and fat containing food items are flushed with nitrogen. Why?

5. Balance the following equation and mention the respective states of the reactants & products.



**Electricity:**

1. Draw the following components used in circuit diagrams:

i) a battery or combination of cells

ii) switch open

iii) switch closed

iv) an electric bulb

v) ammeter

vi) voltmeter

2. State the S.I units of charge and current.

3. What is meant by electric current?

4. Define the unit of current.

5. What is the charge of one electron?

6. Express the Ohm's law mathematically.