

Class X Science Assignment

Do the following activities in a portfolio file.

1. Draw a well labelled diagram of human alimentary canal and write the functions of the following :

- a. Bile
- b. Pepsin
- c. Trypsin
- d. Lipase
- e. Amylase.

2. Draw a well labelled diagram of human heart.

3. With the help of balanced chemical equations give one example of each:

- a. Combination reaction.
- b. Thermal decomposition reaction.

c. Double displacement reaction.

d. Redox reaction.

e. Displacement reaction.

4. Draw the symbols for the following components:

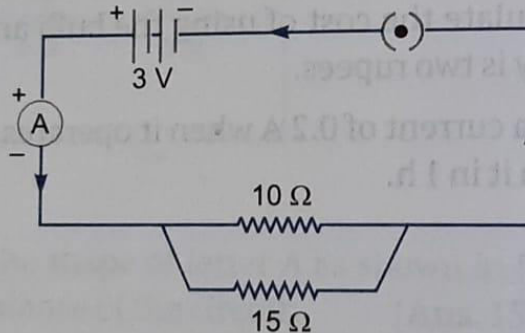
a. Battery with three cells.

b. Variable resistance.

c. Voltmeter.

d. Closed Switch.

Study the following circuit and answer the following questions.



- (i) State the type of combination of the two resistors in the circuit.
- (ii) How much current is flowing through (a) $10\ \Omega$ and (b) $15\ \Omega$ resistor?
- (iii) What is the ammeter reading?

5.Solve the following:

Note:

Students do your file work neatly as the marks of the portfolio file will be added in your internal assessment in term 1.