

Bhagirathi Bai Shiksha Sadan Sec School

Class - X  
Sub - Science  
Holiday Home work.  
Session - 2020-21

Q No 1:- Distinguish between balanced and unbalanced equation. Give example also.

Q No 2:- Balance the chemical equations: →

- (a)  $\text{NH}_3 + \text{O}_2 \rightarrow \text{NO} + \text{H}_2\text{O}$   
(b)  $\text{Fe}_2\text{O}_3 + \text{CO} \rightarrow \text{Fe} + \text{CO}_2$   
(c)  $\text{H}_2\text{O} + \text{F}_2 \rightarrow \text{HF} + \text{HOF}$   
(d)  $\text{H}_2 + \text{O}_2 \rightarrow \text{H}_2\text{O}$   
(e)  $\text{N}_2 + \text{H}_2 \rightarrow \text{NH}_3$

Q No 3:- which prevents back flow of blood inside the heart during contraction.

Q No 4:- write the correct sequence of air passage during inhalation through flow diagram.

Q No 5:- Prepare a report on Covid-19.

Q No 6:- Name the types of mirrors used in the following situations:-

- (i) Head light of Car.  
(ii) Side mirror of a vehicle.  
(iii) Solar furnace.

Q No 7:- Complete four experiments in Lab manual.