



DELHI PUBLIC SCHOOL CIVIL LINES, ALIGARH

SUMMER HOLIDAY HOMEWORK

2016-17

CLASS –X

English- Read the novel “Story of my Life” and write the theme plot and character sketches of main characters of the novel.

Hindi- प्राचीन या नवीन शिक्षा-पद्धति पर पक्ष या विपक्ष में लगभग 80 से 100 शब्दों में अपने विचार गृहकार्य कॉपी पर व्यक्त कीजिए ।

Mathematics- Do Formative Assessment Unit Test for chapter-1,2 and 3 from R.S .Agarwal.

Science: Biology: Roll no-1 to 14 (Respiratory System and its Parts)

15 to 30 (Circulatory System)

31 to 40 (Digestive System)

Physics: Read and prepare notes of chapter-3: Sources of Energy

Chemistry:

1) To prepare a project on the topic “Types of chemical reactions”.

2) Balance the following equations:

- $\text{NH}_3 + \text{CuO} \rightarrow \text{Cu} + \text{N}_2 + \text{H}_2\text{O}$
- $\text{Al}(\text{OH})_3 \rightarrow \text{Al}_2\text{O}_3 + \text{H}_2\text{O}$
- $\text{Mg}(\text{OH})_2 + \text{HCl} \rightarrow \text{MgCl}_2 + \text{H}_2\text{O}$
- $\text{AlCl}_3 + \text{NH}_4\text{OH} \rightarrow \text{Al}(\text{OH})_3 + \text{NH}_4\text{Cl}$
- $\text{NH}_4\text{NO}_2 \rightarrow \text{N}_2 + \text{H}_2\text{O}$
- $\text{PbS} + \text{H}_2\text{O}_2 \rightarrow \text{PbSO}_4 + \text{H}_2\text{O}$
- $\text{CuSO}_4 + \text{NaOH} \rightarrow \text{Cu}(\text{OH})_2 + \text{Na}_2\text{SO}_4$
- $\text{MnO}_2 + \text{HCl} \rightarrow \text{MnCl}_2 + \text{H}_2\text{O} + \text{Cl}_2$

3) What type of chemical reactions take place when:

- A magnesium wire is burnt in air.
- Lime stone is heated.
- Silver bromide is exposed to sunlight.
- Electricity is passed through water.
- Ammonia and hydrogen chloride is mixed

Social Science- Prepare a project file on the topic Forest Fire which must cover the following

Details:

- Images of Forest Fire
- Factors responsible for
- Impact
- Protection measures
- Government Role