

8. What structures are found in a maple seed, and how do they differ from those in a grain of wheat.

9. To what series and classes do Fir trees, Indian Corn, and Ferns belong, and on what grounds can they be so referred?

10. Trace any Canadian plant through the grades of the classification from the species upward.

11. Describe the flower exhibited; stating its parts and modes of inflorescence.

Geology.

1. What are Feldspar, Hornblende, Conglomerate, Gneiss, Porphyry?

2. Explain:—Dip, Strike, Anticlinal, Formation.

3. What are Faults and Veins? Explain their nature.

4. State the general order of the geological ages.

5. State the general distribution of the Archæan in N. America.

6. What are the formation of the Upper Silurian in Canada? Give localities where they may be seen.

7. State some characteristic Marine Invertebrates and plants of the Devonian.

8. State what you know of the geological Relations, Structure and Fruits of the Coal formation.

9. Typical Rocks and Fruits of the Cretaceous in Europe and America?

10. The principal numbers of the Post-pliocene, and mode of their formation?

11. Describe any formation you have examined, with its fruits.

Elementary Chemistry.

1. Name and characterize briefly the gasses obtained by heating the following substances:— CaCO_3 , $[\text{H}_4\text{N}] \text{NO}_3$, KClO_3 .

2. Steam is brought into contact with red hot iron filings. What change takes place?

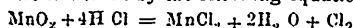
3. Describe any form of eudiometer, and explain its use in the analysis of gases.

4. 10 grammes of Sodium are dropped into water. What volume of Hydrogen is liberated [standard temperature and pressure]?

5. What is the difference between an anhydride and an acid?

6. Describe any experiment illustrating the use of charcoal as a reducing agent.

7. What changes are indicated by the following equation:—



8. Fragments of Phosphorus are heated in a strong solution of Caustic Potash. What gas is produced? Give its properties.

9. How is Sulphuretted Hydrogen prepared, and what are its properties?

10. Name the substances indicated by the following formulæ: H_2SO_5 , $[\text{H}_4\text{N}] \text{Cl}$, H_2PO_4 , C_2H_4 , SiO_2

RECENT EVENTS.

The Management of the Schools.—The Provincial Government has appointed a Commission to inquire into the administration of the public schools, composed of the following gentlemen:—Hon. G. Ouimet, Superintendent of Education, chairman; Messrs. E. J. Barbeau, L. H. Davidson, C. J. Doherty and Charles Glackmeyer, with Messrs. Provencher and R. D. McGibbon as secretaries. This