

**12. Weather and Climate:—**

- (a) Cyclones (movement, air pressure, weather of, temperature and tropical, movement in N. America, theories of origin).
- (b) Anticyclones (general conditions and weather in).
- (c) Thunderstorms, tornadoes, hurricanes, (their causes, weather, area of development).
- (d) Climate (different types such as oceanic and continental, monsoon climate, the equatorial belt, trade wind belt, Mediterranean climate, the Savanna belts, the temperate and frigid zones.)

**13. The Earth as a Planet:—**

- (a) The earth's shape (proofs).
- (b) Rotation—effects.
- (c) Revolution—effects.
- (d) The earth's interior (present and past theories).
- (e) The states of matter on the earth.
- (f) Age of the earth (proofs).
- (g) Plan of the earth and theories of the origin and arrangement of the continents and ocean basins.
- (g) Eclipses.

**14. The Solar System and the Universe.**

- (a) Distinction between solar system and universe—members of solar system (planets, satellites, asteroids, meteors, meteorites, comets).
- (b) The Sun (distance, size, heat, photosphere, chromosphere, corona, spots and their probable influence upon cyclones).
- (c) Stars: (their nature, magnitude, and number, constellations, distance from earth).
- (d) The names of a few of the constellations to be seen in our latitude.

**15. Physiography of Canada—especially of Quebec:—**

- (a) The Regions of Canada (Canadian Shield, St. Lawrence Lowland, Great Plain, Appalachian and Cordillera)—A general knowledge of their structure and topography.
- (b) The St. Lawrence (as given in section No. 217 of Tarr and Von Engeln)—also Sutherland "Province of Quebec—Social and Geographical Studies."
- (c) Province of Quebec:—
  - (1) The St. Lawrence Plain
  - (2) The Appalachian Region...
  - (3) The Laurentian Region. } As given in Mr. Sutherland's book "Province of Quebec—Social and Geographical Studies."

**16. (a) Text Book for Pupils' Outline only:  
Ontario High School Physiography.**

- (b) Teachers must have Tarr and Von Engeln's New Physical Geography" also Sutherland's Province of Quebec—Social and Geographical Studies."
- (c) Other useful books are:—
  - "Physical Geography", Lake, (Cambridge, 1925).
  - "Advanced Physiography", Thornton—Longman's.