

Factoids of Our Earth

- **Third Planet from the Sun - Fifth planet in size –Earth’s Orbit is slightly elliptical.**
- **Orbit around Sun is approximately 584,000,000 miles (1.6 million mpd)**
 - **Moves in orbit 66,600 miles per hour (18 mps)**
 - **Revolves on axis [from west to east or counter-clockwise] 1,040 miles per hour (.28 mps)**
 - **Length of Day**
 - **23 hours**
 - **56 minutes**
 - **4.09 seconds**
 - **Length of Year**
 - * **365 Days**
 - * **6 hours**
 - * **9 minutes and 11 seconds**
 - **Earth is off perpendicular axis at 23.27 degrees (Angel of Inclination)**
- **Earth Movement and Seasons**
 - **Vernal Equinox (spring) March 21**
 - **Summer Solstice June 21**
 - **Reaches Aphelion July 4th at 94,500,000 miles**
 - **Autumnal Equinox September 23**
 - **Winter Solstice December 22**
 - **Reaches Perihelion on January 3rd at 91,500,000 miles**
 - **Northern Hemisphere’s Warmest Month July**
 - **Northern Hemisphere’s Coldest Month January**
- **Size of Earth**
 - **Diameter at equator 7,926.4 miles**
 - **Diameter at poles 7,899.9 miles**
 - **Circumference 24, 889 miles**
- **Earth’s Area**
 - **57,309,000 square miles land (29%)**
 - **139,629,00 square miles of water (71%)**
 - **Water Volume 324,000,000 square miles**

- **Earth has four spheres (1 biotic, 3 abiotic)**
 - **Atmosphere**
 - **Hydrosphere**
 - **Lithosphere**
 - **Biosphere**

- **Earth's makeup is a series of layers**
 - **Inner Core (1700 miles thick)**
 - **Outer Core (4800 miles thick)**
 - **Mantle (1800 miles thick)**
 - **Crust (3 to 30 miles thick)**

- **Earth's crust is made up of 18 major tectonic plates**
 - **Plates are moving approximately 1" (inch) a year**
 - **Movement of earth's plates occurs through Plate Tectonics**
 - **Subduction**
 - **Upwelling**
 - **Convection**

***Highest land elevation Mt. Everest 29,035 ft**

***Lowest land elevation Dead Sea 1,312 ft below sea level**

***Greatest Ocean Depth Challenger Deep 35,810 ft below sea level**

*** Longest Rivers**

- Nile 4,145
- Amazon 4,000
- Yangtze 3,710

***Oceans**

- Pacific
- Atlantic
- Indian
- Arctic

***Major Seas**

- South China Sea
- Caribbean
- Mediterranean

***Largest Lakes**

- Caspian
- Superior
- Victoria

***Major Waterfalls**

- Angel 3,215 ft
- Yosemite (4th) 2,421 ft
- Niagara (32nd) 167 ft