

## Planet Earth - Data

**Title**  
**Earth**

### Introduction

- 3rd planet from the Sun
- formed 4.5 billion years ago
- contains water
- sustains various life forms
- one moon

### Planetary Data

- diameter 8000 miles
- distance to moon 240,000 miles
- tilted on axis  $23.5^{\circ}$

### Physical Data

- 70% of surface is water - fresh and salt
- solid crust
- proximity of moon creates tides
- temperatures range from  $-90^{\circ}\text{C}$  to  $57^{\circ}\text{C}$
- atmosphere contains mostly nitrogen (N) and oxygen (O)

### Orbit and Rotational Data

- orbiting at 93 million miles
- rotates on axis once every 24 hours
- completes 365.25 rotations per orbit (year) (.25 creates leap year every 4)
- tilt on axis produces seasons

### Flora and Fauna

- there are an estimated 8.7 million species on Earth with 6.5 million species on land and 2.2 million in oceans
- life on Earth is based on carbon (C)
- life on Earth requires water
- life began on Earth approximately 3.8 billion years ago

