

## SECTION 5: EARTH

### Words to Know:

**Deflect:** To cause something to turn aside from a straight course or to change direction.

**Emanating:** Originating, coming from, or being produced by.

**Magnetosphere** (mag neet' uh sfear): The region surrounding Earth or another astronomical body in which its magnetic field is the predominant effective magnetic field.

**Matter:** Matter is anything that has mass and takes up space.

**Meteorite** (mee' tee uh rite'): A meteor that has made its way into Earth's atmosphere and landed in the ocean or on dry land.

**North Pole:** The North Pole is the northernmost point of Earth's or another planet's axis.

**Northern hemisphere** (hem' us sfear): The northern hemisphere is the half of Earth or another planet between its North Pole and its equator.

**Ozone layer:** The ozone layer is in Earth's stratosphere. It absorbs most of the ultraviolet radiation reaching Earth from the sun.

**Oxygen** (ox' uh jen): Oxygen is a colorless and odorless gas that people need to breathe. It makes up about one-fifth of the volume of Earth's atmosphere.

**Rotational period:** A planet's rotational period is the length of one full day on that planet.

**Solar wind:** Solar wind is the continuous flow of charged particles from the sun that permeates the solar system.

**South Pole:** The South Pole is the southernmost point of Earth's or another planet's axis.

**Southern hemisphere** (hem' us sfear): The southern hemisphere is the half of Earth or other planet between the South Pole and the equator.

**Ultraviolet radiation:** Ultraviolet radiation is made up of invisible rays that are part of the energy that comes from the sun.

### Fascinating Facts about Earth

#### Directions:

Some of the words are not on the writing lines so that you can practice writing them on your own. Where the words have been removed, the first letter of each line is there to help guide you.

1. Read the fact.
2. Trace the words and letters provided, and then write the rest of the fact on your own.
3. Make sure your letters are the same shapes and sizes as the examples.
4. Read the fact again.

Earth is the third planet from the sun in our solar system.

Earth is the third planet from the

s

Earth is one of the four terrestrial planets in our solar system.

Earth is one of the four terrestrial

p

God placed Earth at a perfect distance from the sun so that it is not too hot or too cold.

God placed Earth at a perfect

d

m

Earth makes a complete revolution, or orbit, around the sun about every 365.25 days. We call this time

period an Earth year in astronomy,  
while in most other cases we  
simply call it a year.

Earth makes a complete revolution,

o

v

p

w

s

God created Earth at a tilt so the  
different parts of Earth receive  
different amounts of sunlight  
throughout the year as Earth orbits  
the sun. This gives us different  
seasons.

God created Earth at a tilt so the

d

d

*t**t**v*

*During summer in the United States, Earth is a little farther from the sun than it is in the winter, yet it is still warmer because the sun's light is shining more directly on the Northern Hemisphere.*

*During summer in the United*

*S**f**w**b**m**H*