

Quiz Tuesday 1/19

1/14/16

- types of rocks
- layers of earth

## Earth's Atmosphere:

1) Troposphere: lowest layer of Earth's atmosphere.  
Weather occurs.

78% Nitrogen 21% Oxygen

Begins at surface & goes to 11 km & temp decreases with increase in altitude.

Between every layer - Pause. tropopause

2) Stratosphere - second layer of Earth's atmosphere.

Ozone layer can be found.

20 - 48 km & temp increases with altitude.

- Stratopause - temp remains constant.

3) Mesosphere - 3rd layer of atmosphere.

- meteors vaporize

50 - 80 km & temp decreases with altitude.

Mesopause - temp remains constant.

4) Ionosphere - 4th layer (not really a layer)

- kept partly ionized by solar UV radiation  
extends from 65 km & up

- stretches from the lower mesosphere to the top of the thermosphere.

- reflects radio waves back to Earth.

5) Thermosphere -

Altitude greater than 90 km

- Hottest layer in atmosphere.

- Temperature increases with altitude

- Nitrogen and oxygen absorb solar energy.

Exosphere - Space