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so many fake sites. this is the first one which worked! Many thanks

METEOROLOGY QUIZ STUDY GUIDE

THE ATMOSPHERE

Composition of the Atmosphere

- Nitrogen makes up 78% of atmosphere
- Oxygen makes up 21 % of atmosphere
- Most abundant compounds include carbon dioxide and water vapor

Nitrogen Cycle: process that keeps Nitrogen constant in our atmosphere.

1. Nitrogen fixing bacteria in soil remove N₂ from air and change it into nitrogen compounds.
2. Nitrogen compounds in plants are consumed by animals.
3. Nitrogen compounds return to the soil in waste.
4. Decay and processes in the soil turn N₂ to the atmosphere.

Ozone Layer: layer of O₃ that absorbs harmful ultraviolet radiation from the Sun

- Can be damaged by use of CFCs (chlorofluorocarbons)
- Found at the top of the Stratosphere.

Atmospheric Pressure

- Decreases with altitude (there is less pressure the higher you go)
- 99% of the atmosphere is within 32 km above Earth's surface, due to gravity
- Measured by a barometer

Layers of the Atmosphere

- Troposphere
 - closest to Earth
 - where most weather occurs
 - most water vapor & carbon dioxide found here
 - temperature decreases with altitude
 - topped by tropopause
- Stratosphere
 - second layer
 - home of the Ozone Layer

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