

Weather Quiz

AIR

1) Name three important properties of air.

Air takes up space.
Air has weight.
Air exerts pressure.

2) What gases is air made of?

Nitrogen -- 78%
Oxygen -- 21%
Other gases -- 1%

ATMOSPHERE

1) What is the atmosphere? How thick is it?

A thin blanket of air that surrounds the Earth
1500 miles

2) What are the four main layers of the atmosphere in order from the bottom up?

Troposphere, Stratosphere, Mesosphere, Thermosphere

3) In what layer of the atmosphere does weather take place?

Troposphere

4) How and why does air pressure change as you move up or down in the atmosphere?

Air pressure is greatest near the surface of the earth because of the weight of all the air above. Air pressure becomes less the higher you go because there is less air pressing down from above.

5) How does the atmosphere protect life on earth?

Burns up meteors

Shields against harmful radiation from the sun

Maintains air temperatures at levels that support life