

Warm-Up (Jan 13)

1. What is the difference between weather and climate?

↑
Short term ↑ long term

2. What are the two main gases that make up our atmosphere? Give their percentages.

$N_2 = 78\%$

$O_2 = 20\%$

3. What is a variable gas? Give an example.

↳ change in amount ↑ H_2O

Warm-Up (Jan 14)

1. List the layers of the atmosphere in order (as you leave the earth and travel to space).
2. About how much of the water on earth is easily accessible and drinkable?
3. Water is a very good heat sink. What does this mean?
4. What does the ozone layer do?

Warm-Up (Jan 14)

1. List the layers of the atmosphere in order (as you leave the earth and travel to space).

TROPO → STRATO → MESO → THERMO

2. About how much of the water on earth is easily accessible and drinkable?

≈ 1%

3. Water is a very good heat sink. What does this mean?

ABSORBS HEAT WELL

4. What does the ozone layer do?

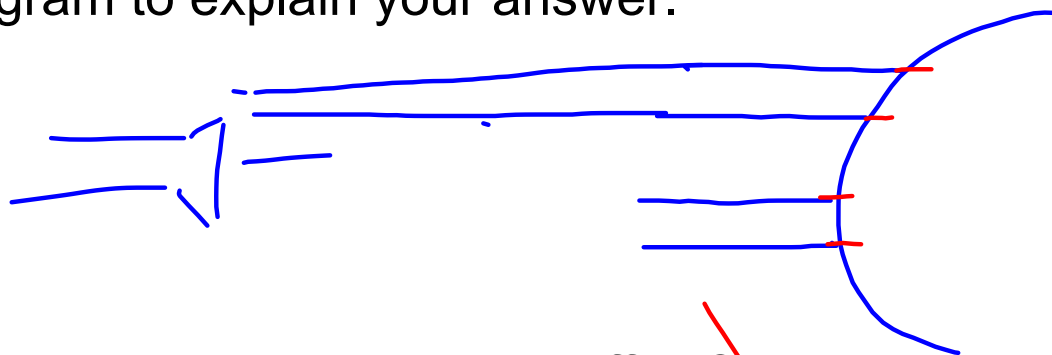
FILTERS UV LIGHT

Warm-Up (Jan 15)

1. Define Albedo

How much light a surface reflects

2. Why is it warmer closer to the equator than at the poles. Draw a diagram to explain your answer.



3. What is the greenhouse effect?



Warm-Up (Jan 18)

1. The coriolis force pushes to the _____ in the northern hemisphere, and to the _____ in the southern hemisphere.

2. Why does the equator get more of the sun`s energy.

3. Why does warm air rise and cold air fall?

Warm-Up (Jan 20)

1. If warm-moist air is rising, a LOW pressure system forms.
2. If cold-dry air is falling, a HIGH pressure system is formed.
3. Low pressure systems rotate Counter Clockwise and are called Cyclones
LCC
4. High pressure systems rotate Clockwise and are called anticyclones

Warm-Up (Jan 25)

1. Compare hurricanes and tornadoes in terms of:
 - a) Size (diameter)
 - b) Where they occur
 - c) Wind Speeds

2. What are the two features of a hurricane that cause the most damage?