



Note-taking Worksheet

Weather

Section 1 What is weather?

A. **Weather** is the state of the _____ at a specific time and place.

1. Includes such conditions as air pressure, wind, _____, and moisture in the air.
2. The _____ evaporates water into the atmosphere forming clouds and returning the water to Earth as rain or snow; the Sun also _____ air.
3. Temperature is a measure of _____ movement.
 - a. The Sun's energy causes air molecules to move rapidly; temperatures are _____ and it feels _____.
 - b. When less of the Sun's energy reaches air molecules, they move less rapidly and it feels _____.
4. Wind—air moving in a _____.
 - a. As the Sun heats air, it expands, becomes less _____, rises, and has _____ atmospheric pressure.
 - b. Cooler air is _____ and sinks, causing _____ atmospheric pressure.
 - c. Air moves from _____ pressure areas to _____ pressure areas, causing wind.
5. **Humidity**—the amount of _____ in the air.
 - a. Warmer air can hold _____ water vapor, tending to make it more humid.
 - b. **Relative humidity**—the amount of water vapor in the air compared to what it can hold at a _____ temperature.
 - c. When air cools, it can't hold as much water vapor, so the water vapor _____ to a liquid or forms ice crystals.
 - d. _____—the temperature at which air is saturated and condensation forms.

Section 1 What Is Weather Answer Key

Arshad Iqbal



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web key points potential energy is energy that has the potential to become another form of energy an object's potential energy depends on its physical properties and position in a system potential energy comes in many forms such as gravitational potential energy due to an object's mass and position in a gravitational field

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web the energy of the reactants is shown on the energy diagram above on the right side of the energy diagram draw a horizontal line segment to indicate the energy of the products draw a vertical line segment to indicate ΔH for the reaction and label it with the correct value see attached image

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