Name _____

Convection: The Dance of Heat and Cold

Short Answer Key

1. Convection in the atmosphere involves warm air rising and cool air descending, which leads to the formation of clouds, precipitation, and wind patterns.
2. Example Boiling water in a pot on the stove, where the hot water rises and circulates while cooler water takes its place.
3. Convection in the ocean helps transport warm water from the equator to cooler regions, influencing climate and weather patterns.
4. The key factor driving convection is the difference in temperature within the fluid.
5. Convection involves heat transfer through the movement of fluids, while conduction occurs through direct contact, and radiation involves electromagnetic waves.

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