

ANABATIC

Meaning: Anabatic refers to a warm, upward-moving wind that occurs when air is heated by the sun on slopes, often influencing local climate and conditions.

1. An anabatic wind can significantly influence the local climate during the summer months.
2. As the sun heats the slopes, the resulting anabatic airflow can create pleasant conditions for hikers.
3. The phenomenon of anabatic winds is often observed in mountainous regions during sunny days.
4. Meteorologists study anabatic effects to better predict weather patterns in elevated terrains.
5. Birds often take advantage of anabatic currents to soar effortlessly above the mountains.
6. Anabatic winds are characterized by their upward movement, driven by solar heating of the earth's surface.
7. The rise of warm air in anabatic conditions can lead to the formation of cumulus clouds.
8. Understanding anabatic winds is crucial for pilots navigating in mountainous areas.
9. During summer afternoons, anabatic winds can contribute to the rapid warming of valleys.
10. The concept of anabatic flow is essential in the study of thermodynamics in the atmosphere.

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