

The Impacts of Climate Change on Global Weather Patterns: A Comprehensive Review

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Abstract

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Extreme weather events: E...

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Storm frequency and intensity

Tropical cyclones:

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Extratropical storms: E...

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Atmospheric circulation

Shifts in jet streams: C...

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Polar vortex:

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Implications for ecosystems and human societies

Ecosystem impacts: Climate change is causing significant shifts in global weather patterns, leading to more frequent and severe droughts, floods, and storms. These changes are disrupting ecosystems, affecting biodiversity, and altering the distribution of species. For example, coral reefs are bleaching due to rising ocean temperatures, and many bird species are migrating to new areas in search of suitable habitats.