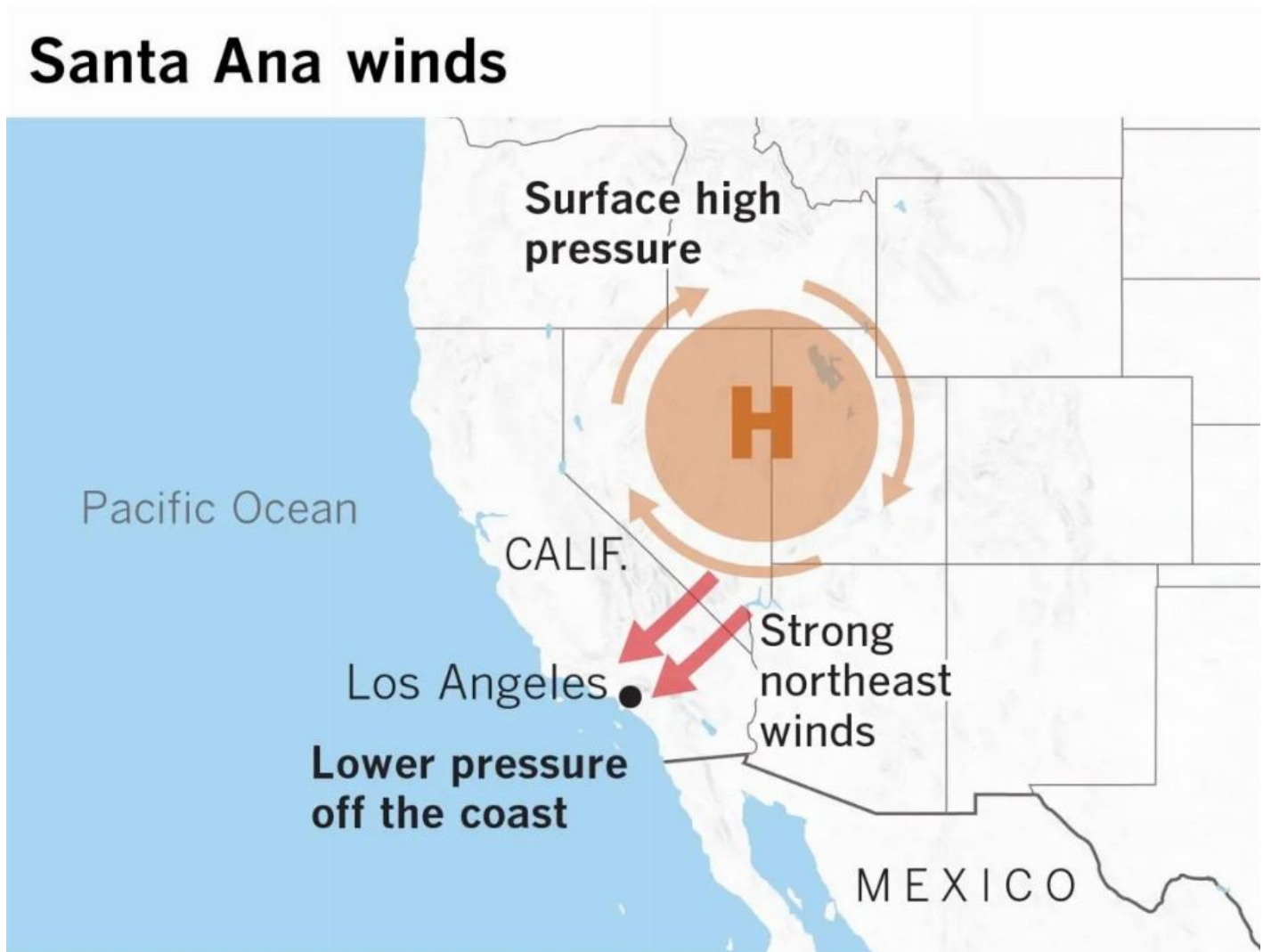


Santa Ana Wind

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About Santa Ana Wind:

- It is named after Southern California's **Santa Ana Canyon**.
- Santa Ana winds are **dry and warm** (often hot) **winds** in the Southern California area that blow in from the desert — which includes the Great Basin of the western United States.
- **Origin:** Santa Ana winds blow when **high pressure builds over the Great Basin** — the area between the **Rocky Mountains and Sierra Nevada** (a mountain range in the Western United States) — and the pressure is low over California's coast.
- The difference in pressure triggers the movement of powerful winds from the Basin's inland deserts, east and north of Southern California, over the mountains toward the Pacific Ocean.

- As the wind comes down the mountains, it compresses and heats up. The wind's humidity also drops, sometimes to less than 20% or even less than 10%. The extremely low moisture turns vegetation dry, making it ready to burn.
 - Winter weather patterns allow high pressure to build near the surface of the Great Basin, which then interacts with low-pressure air over the Pacific.
 - Santa Ana winds usually occur from **October to January**.
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Q1: What Is Climate Change?

Climate change refers to long-term shifts in temperatures and weather patterns. Such shifts can be natural, due to changes in the sun's activity or large volcanic eruptions.

News: How 'Santa Ana' winds and climate change are fueling wildfires in Malibu

Source: <https://vajiramandravi.com/current-affairs/santa-ana-wind/>

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