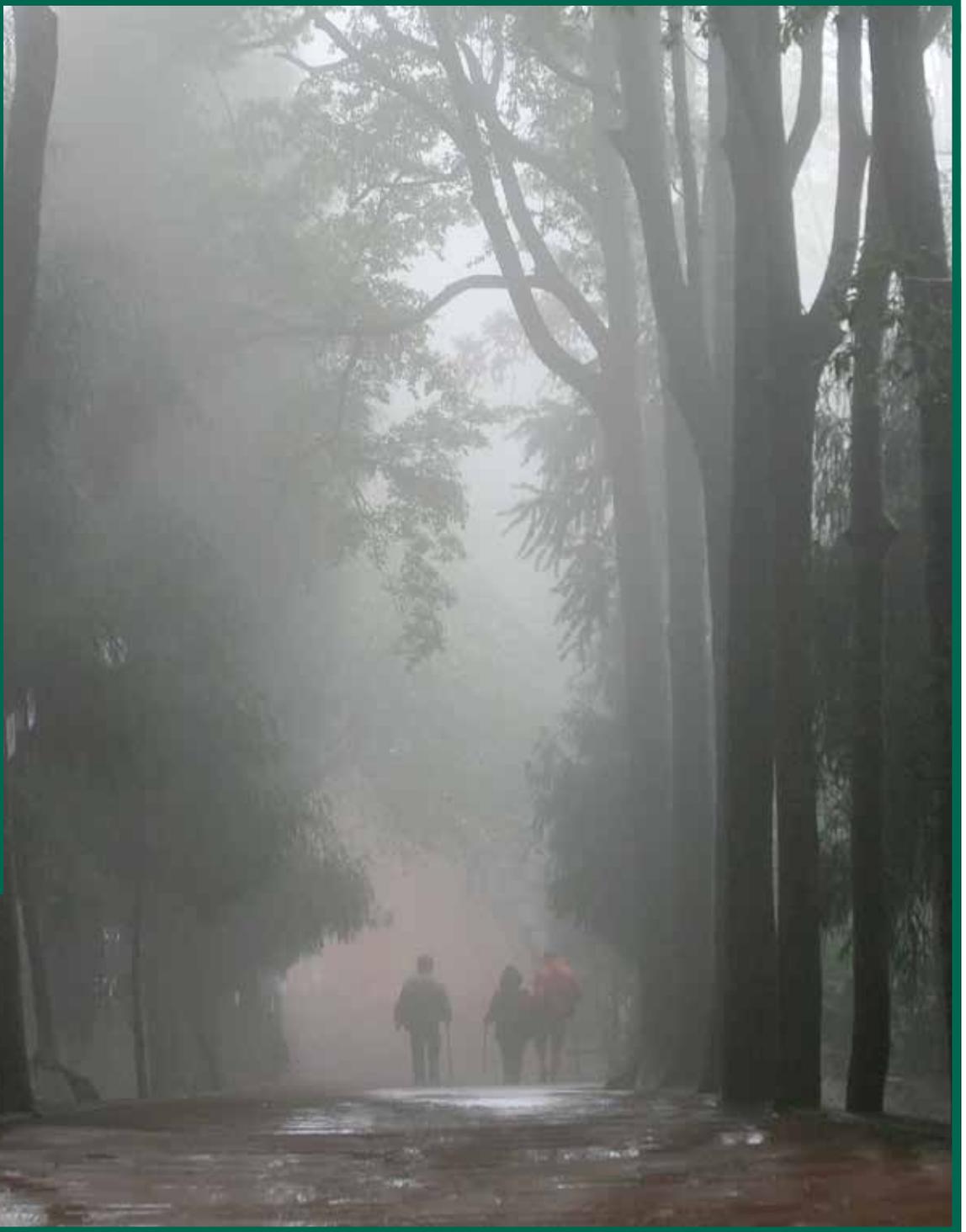


5

Science Standard
5.3.c.



Precipitation, People, and the Natural World

California Education and the Environment Initiative

Approved by the California State Board of Education, 2010

The Education and the Environment Initiative Curriculum is a cooperative endeavor of the following entities:

California Environmental Protection Agency
California Natural Resources Agency
California State Board of Education
California Department of Education
Department of Resources Recycling and Recovery (CalRecycle)

Key Partners:

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Office of Education and the Environment

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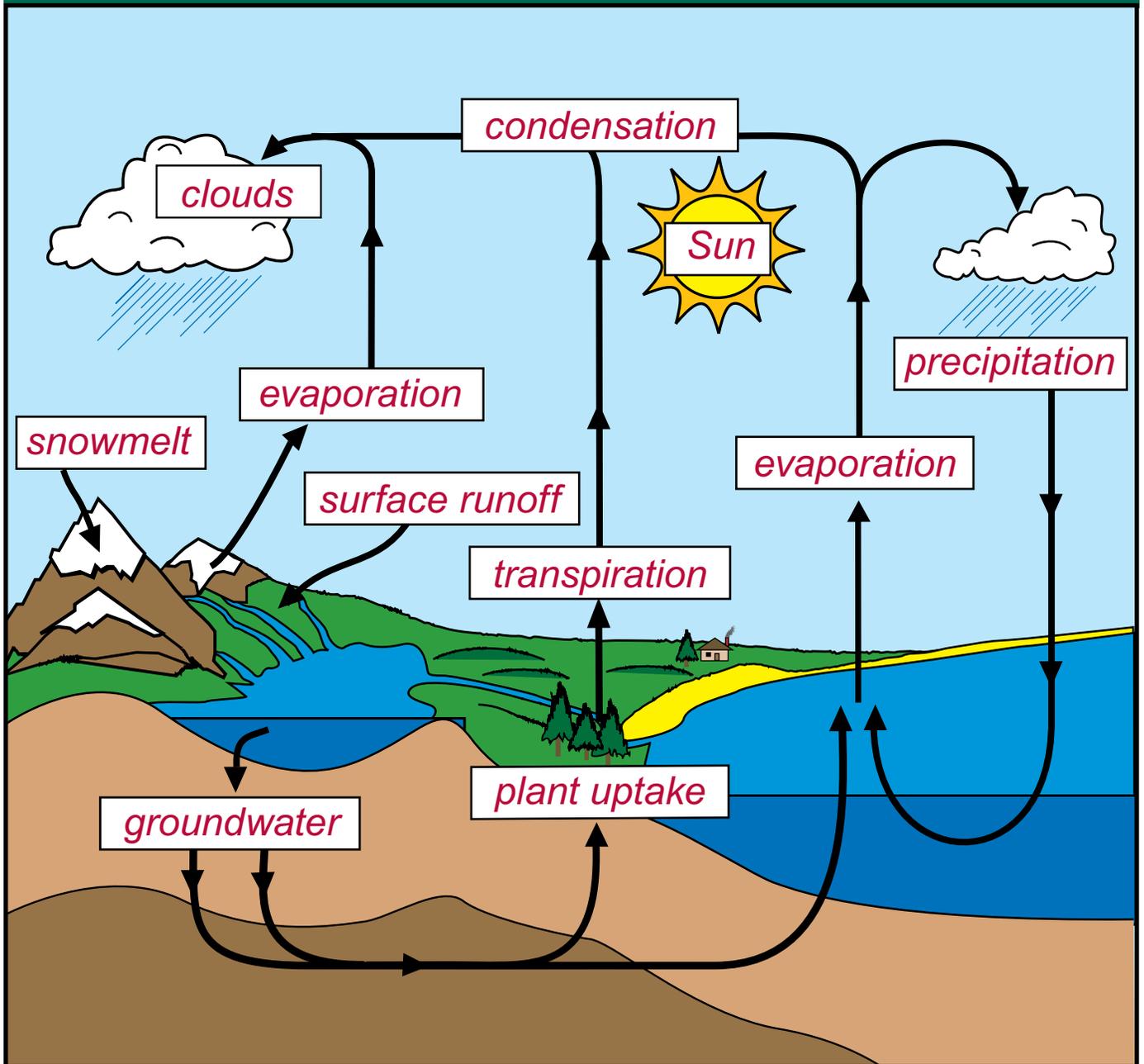
VA #1 Measuring Snowpack



VA #2 Pika



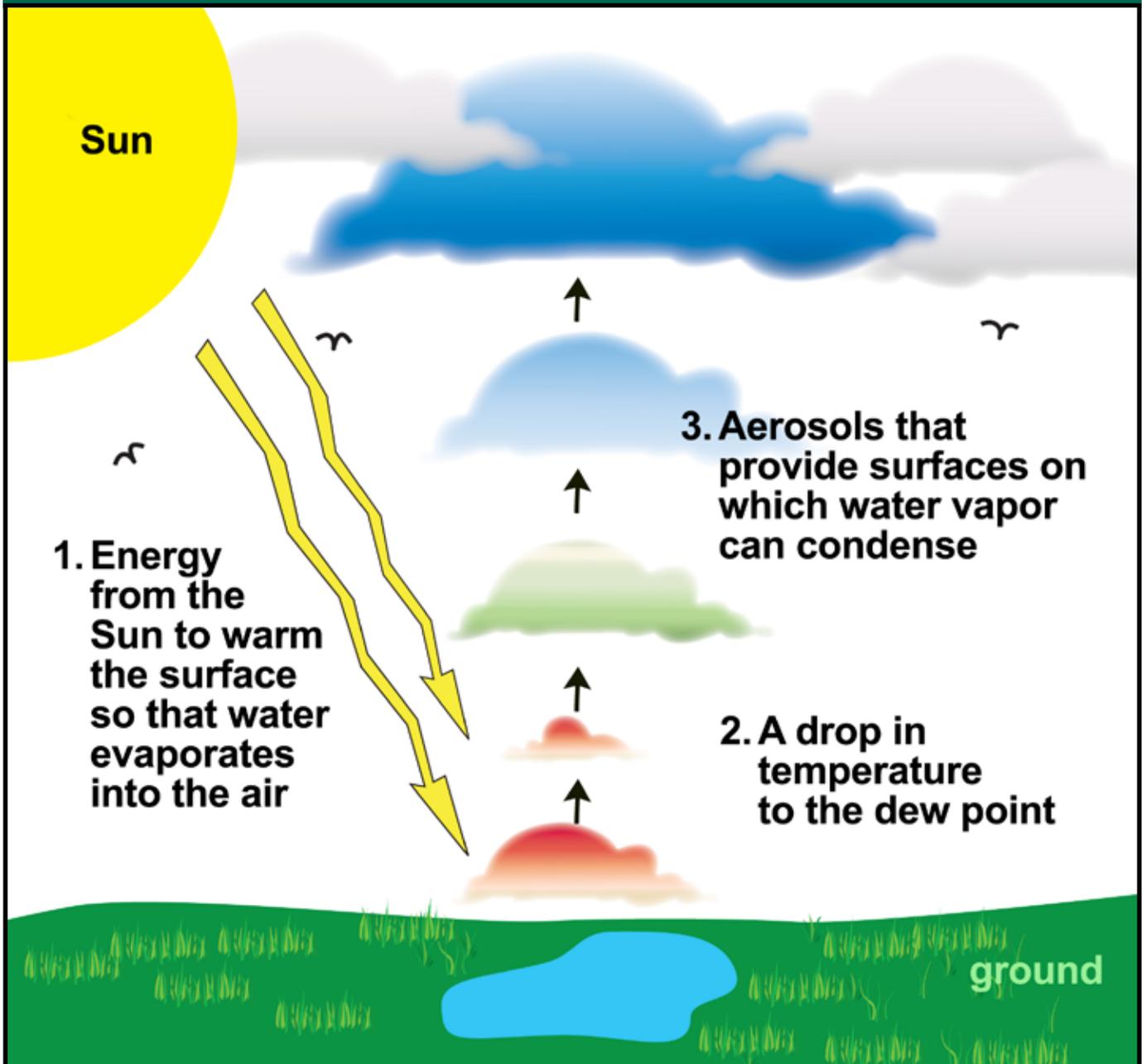
VA #3 The Water Cycle



VA #4 When and Where Precipitation Falls in California

Type of Precipitation	Where It Falls	When It Falls

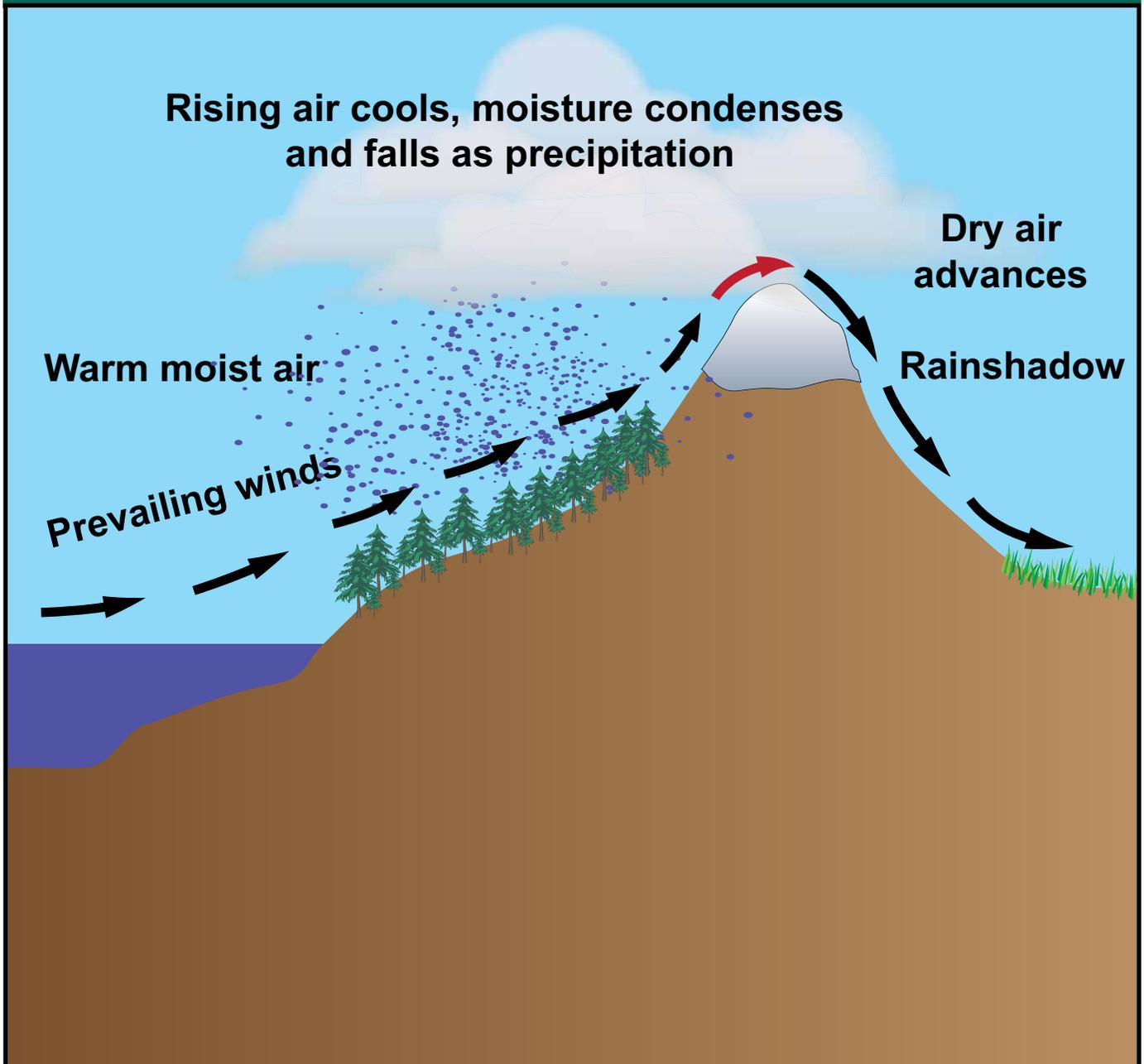
VA #5 Three Things Needed for Cloud Formation



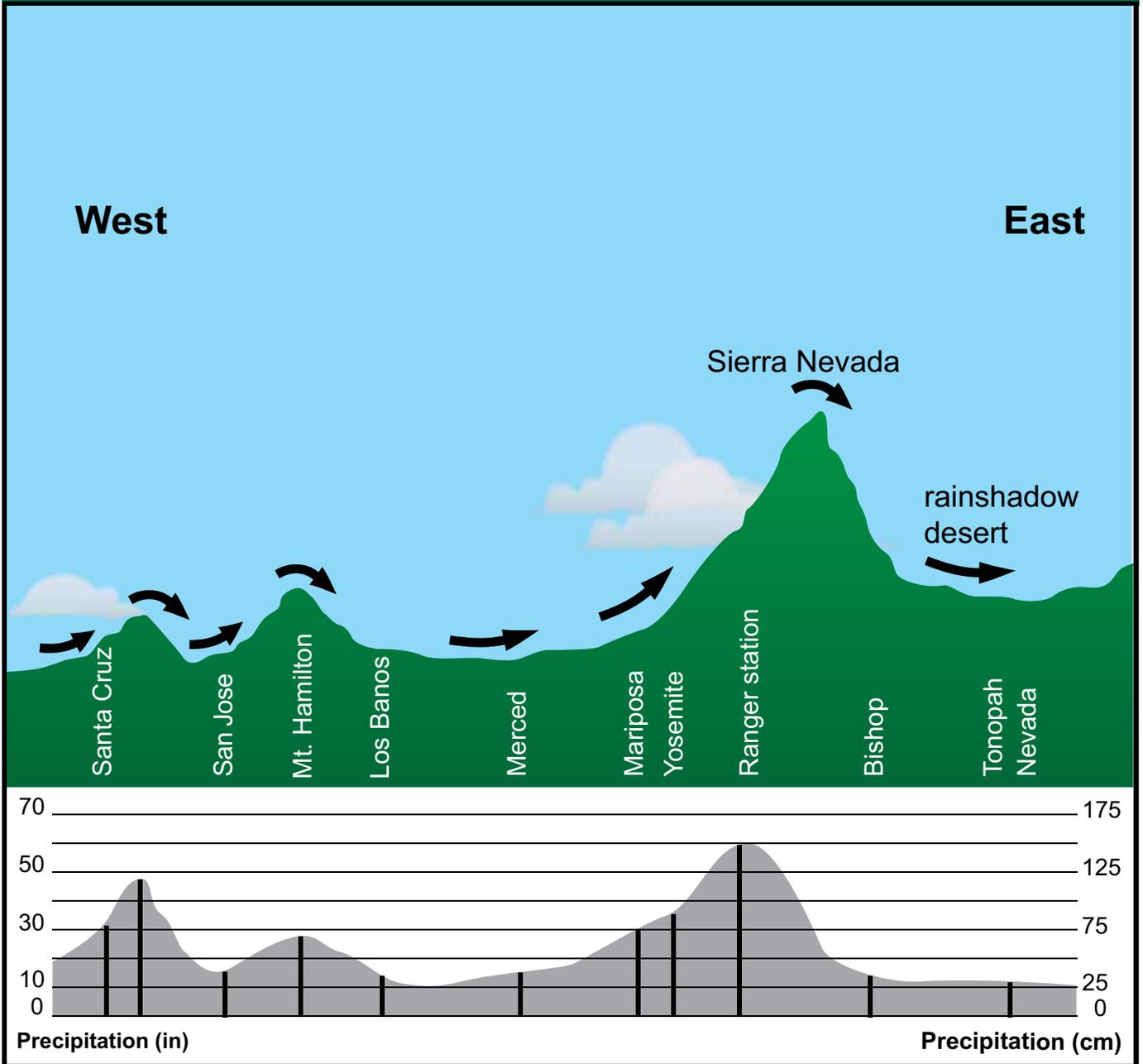
VA #6 Fog on the California Coast



VA #7 The Rainshadow Effect



VA #8 How Mountains in California Influence Precipitation



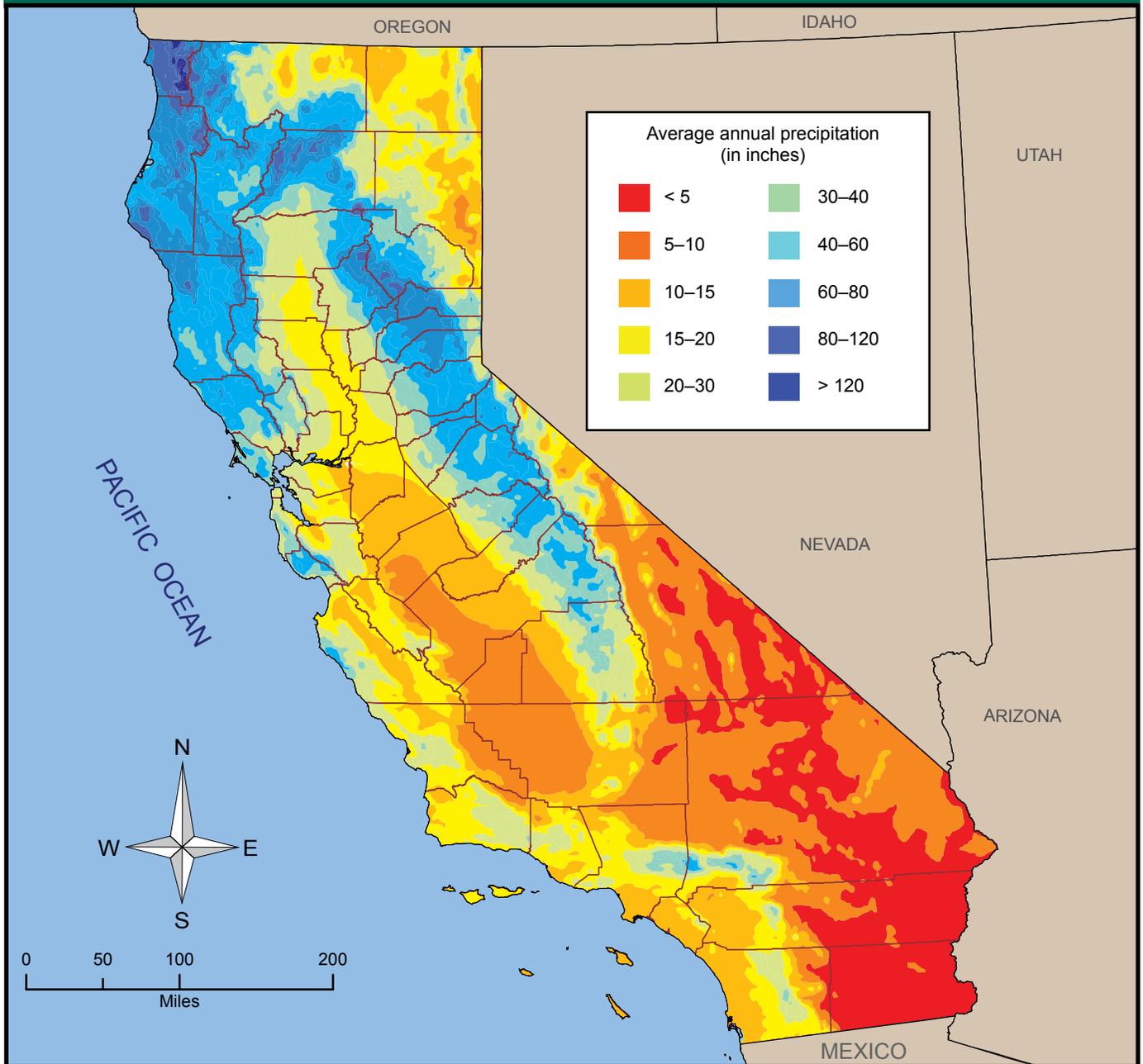
VA #9 Giant Sequoia in Yosemite National Park



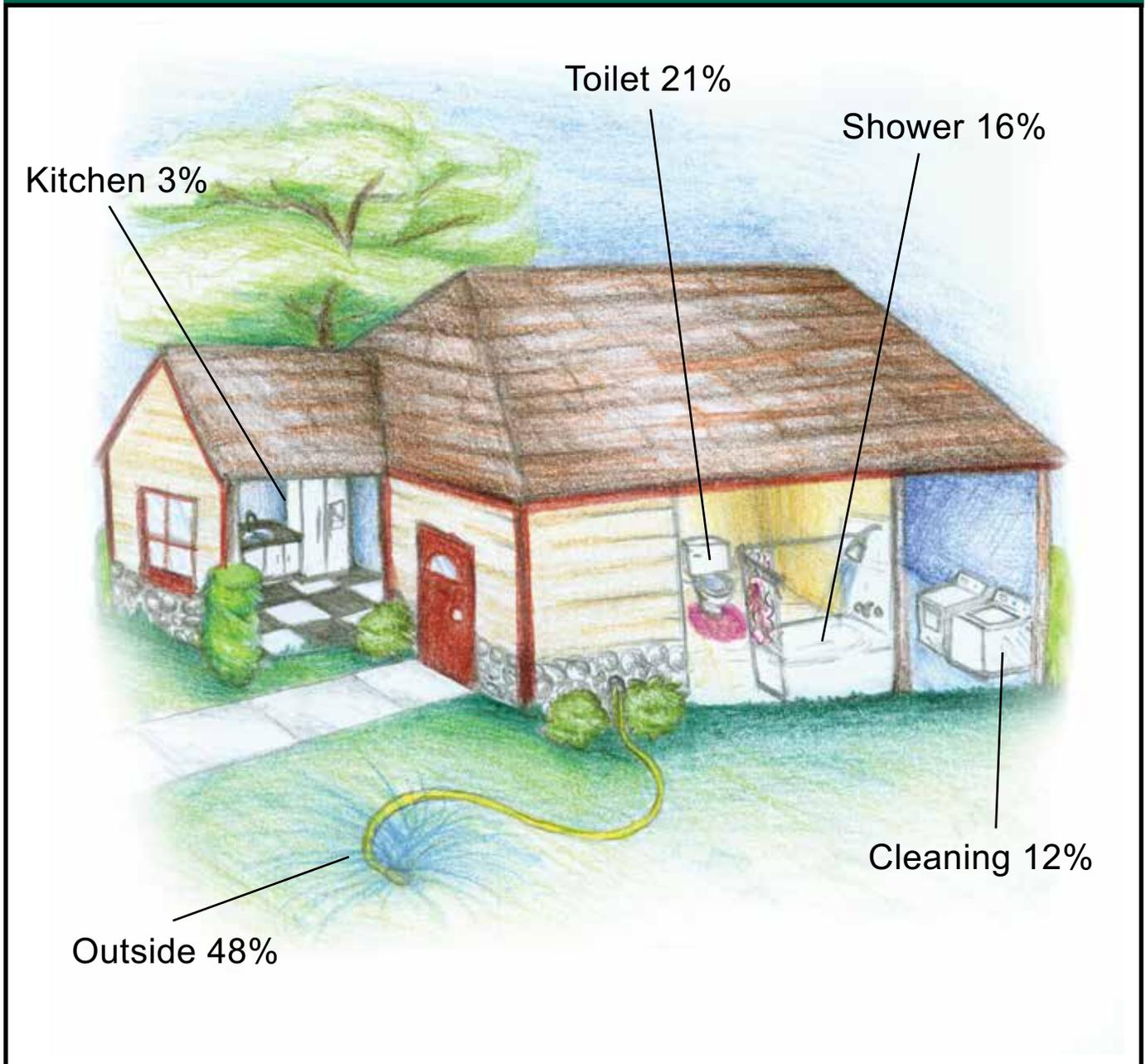
VA #10 Desert Plants in Bishop

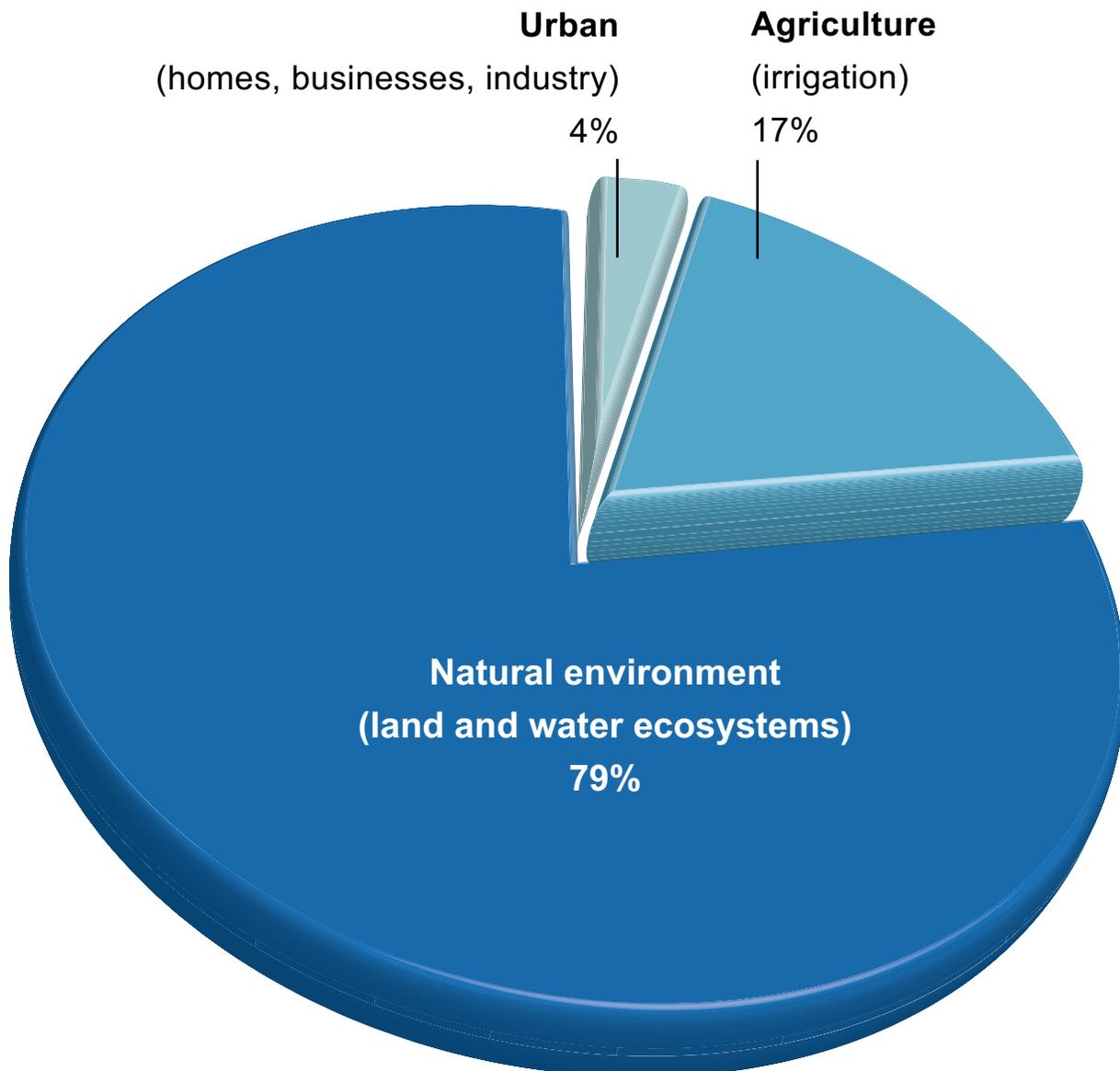


VA #11 Average Annual Precipitation in California



VA #12 How We Use Water



VA #13 How Precipitation Is Used in California

Sources: State Water Resources Control Board and Department of Water Resources

VA #14 Natural Grasslands in the Central Valley

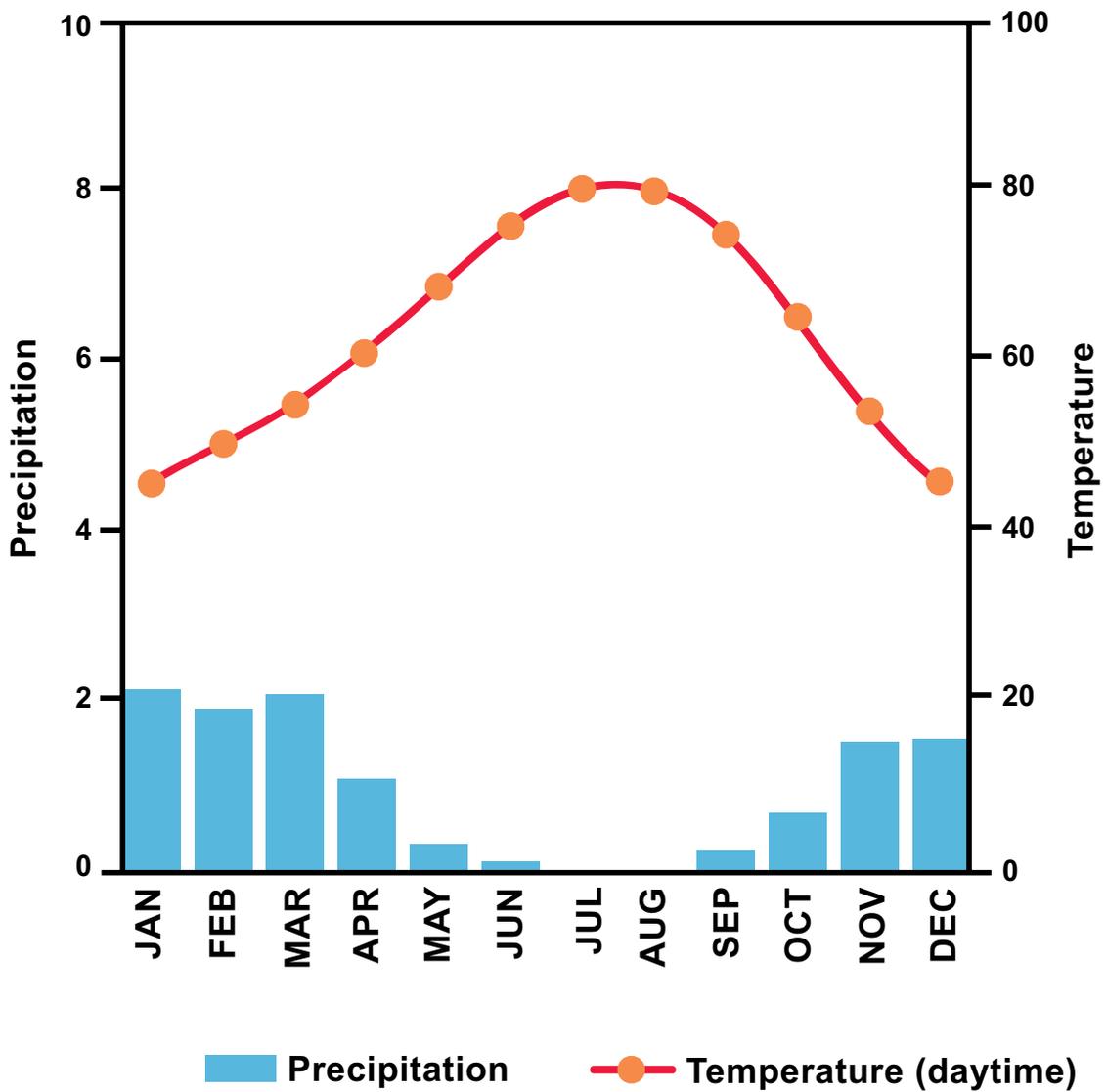


VA #15 Agricultural Fields in the Central Valley

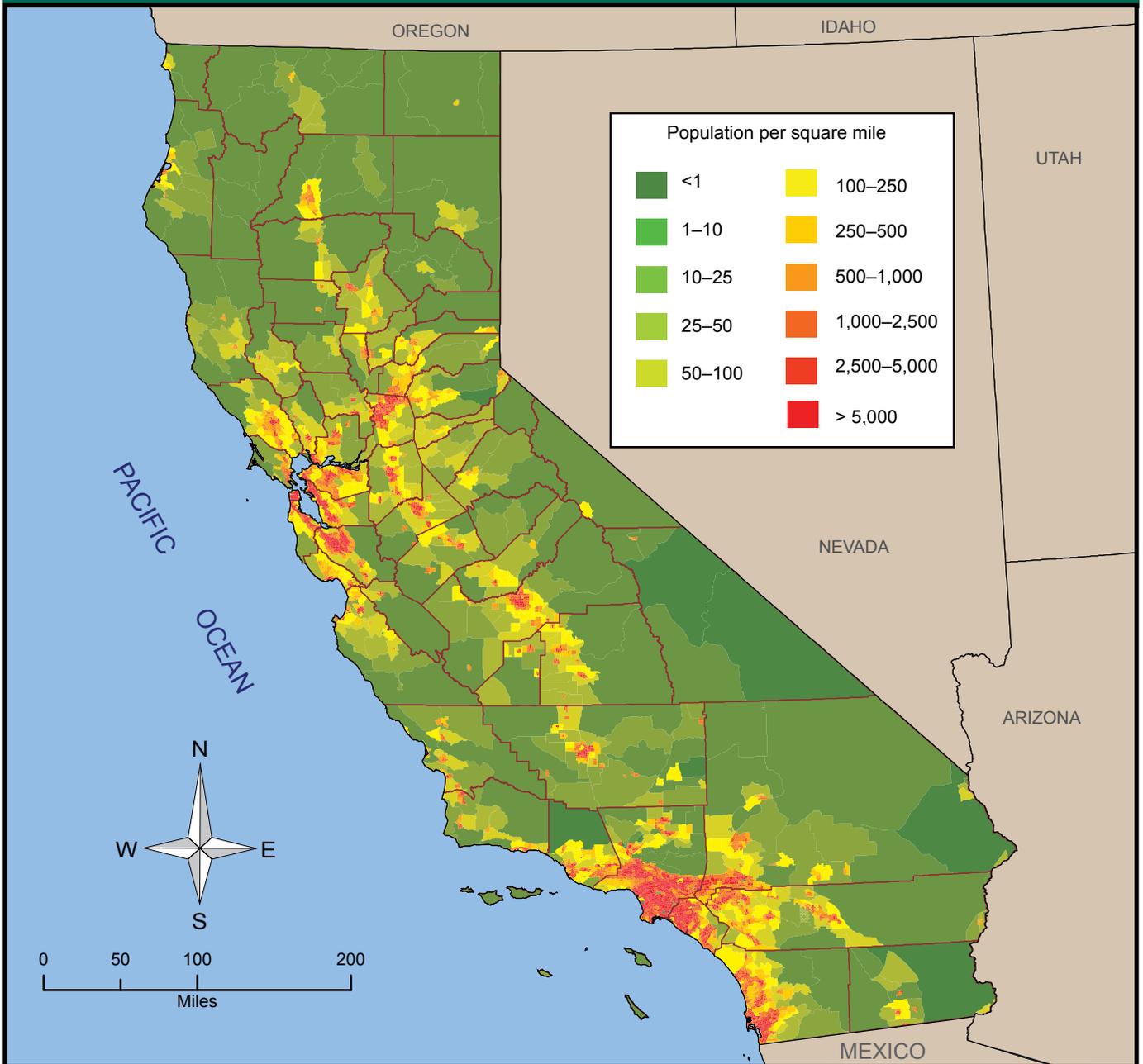


VA #16 Climatogram for Fresno

Fresno, California



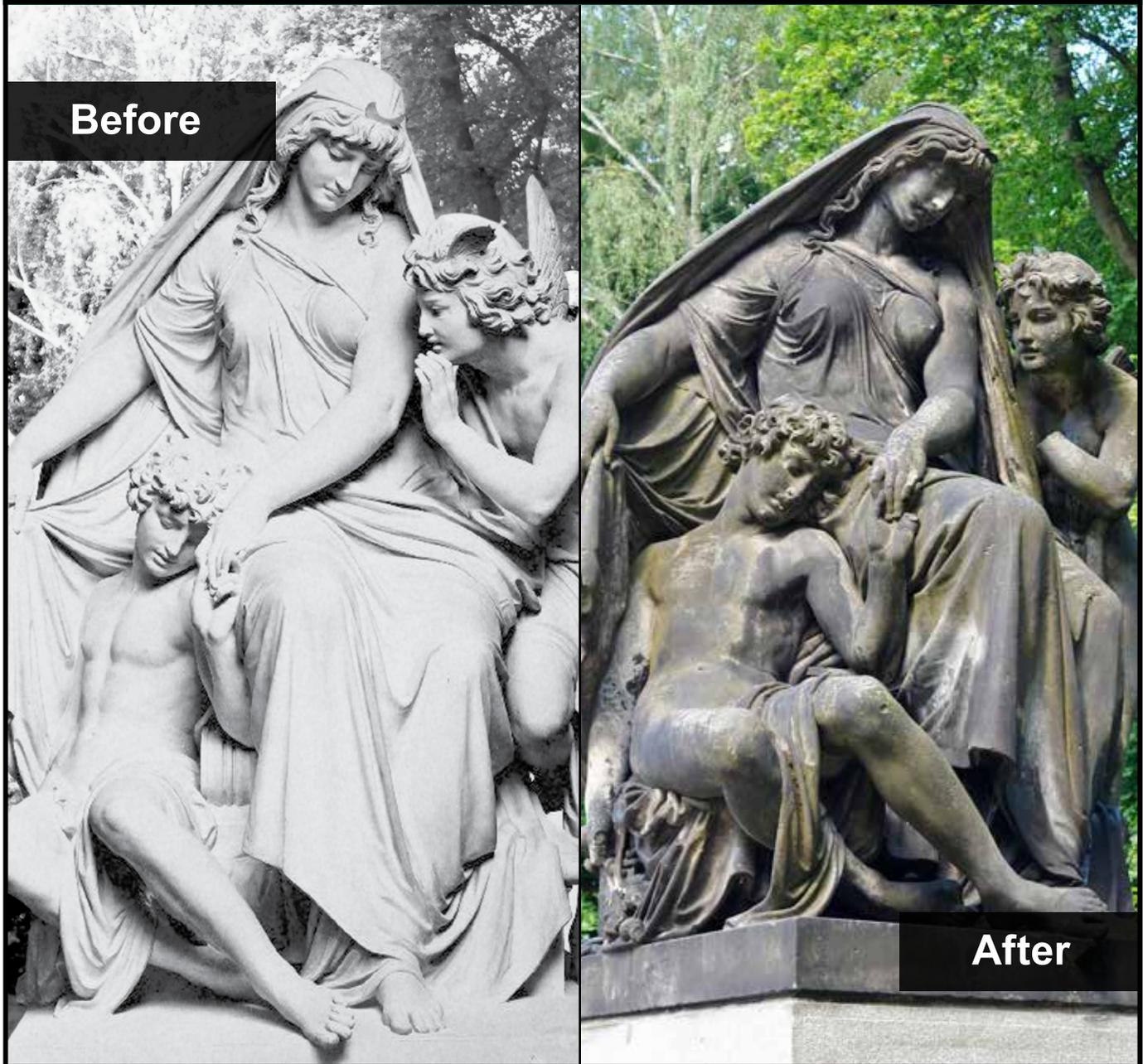
VA #17 Population Centers in California



VA #18 California's Water Projects

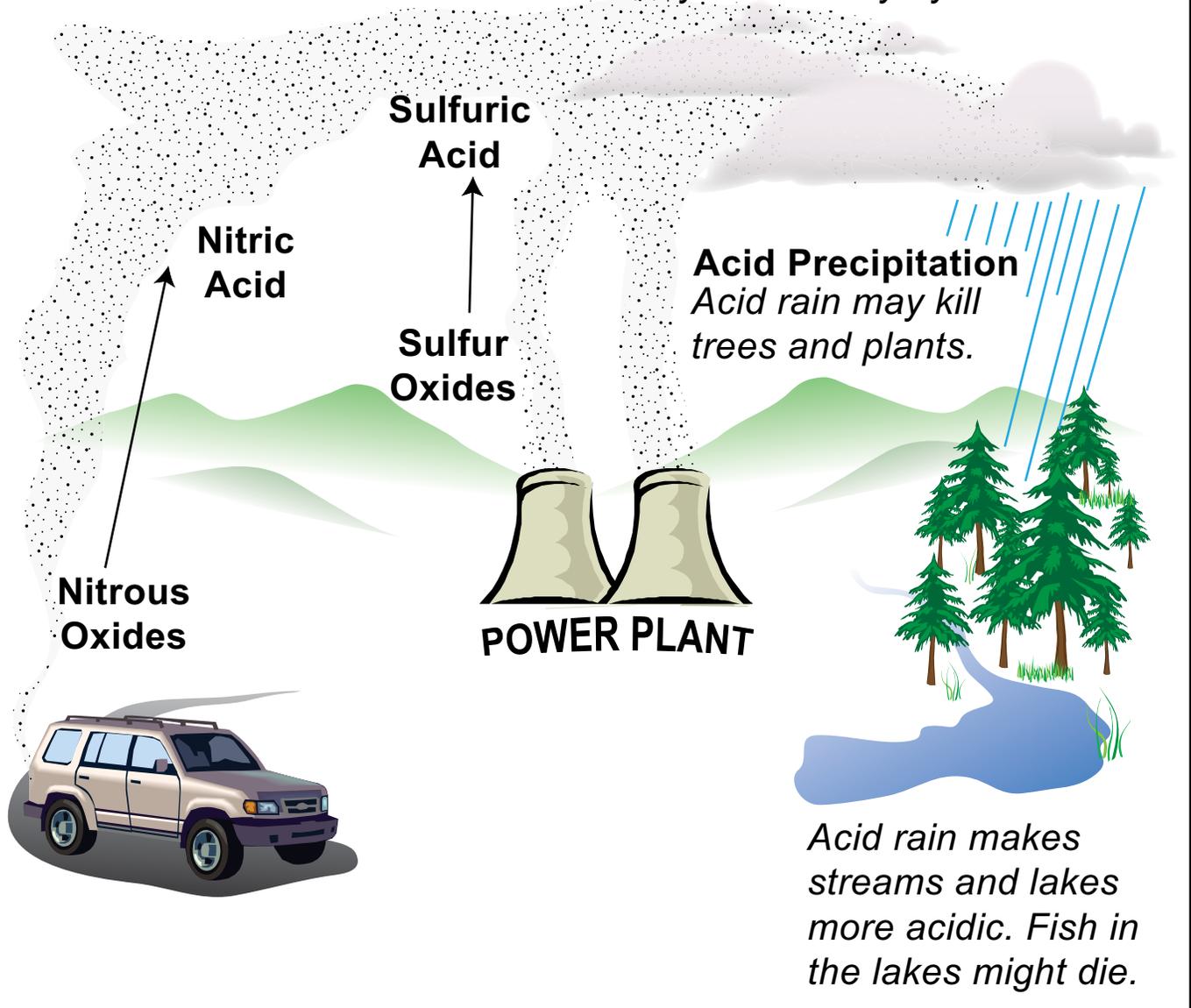


VA #19 Statue Damaged by Acid Rain



VA #20 What Causes Acid Rain

The acids are carried many miles away by the winds.

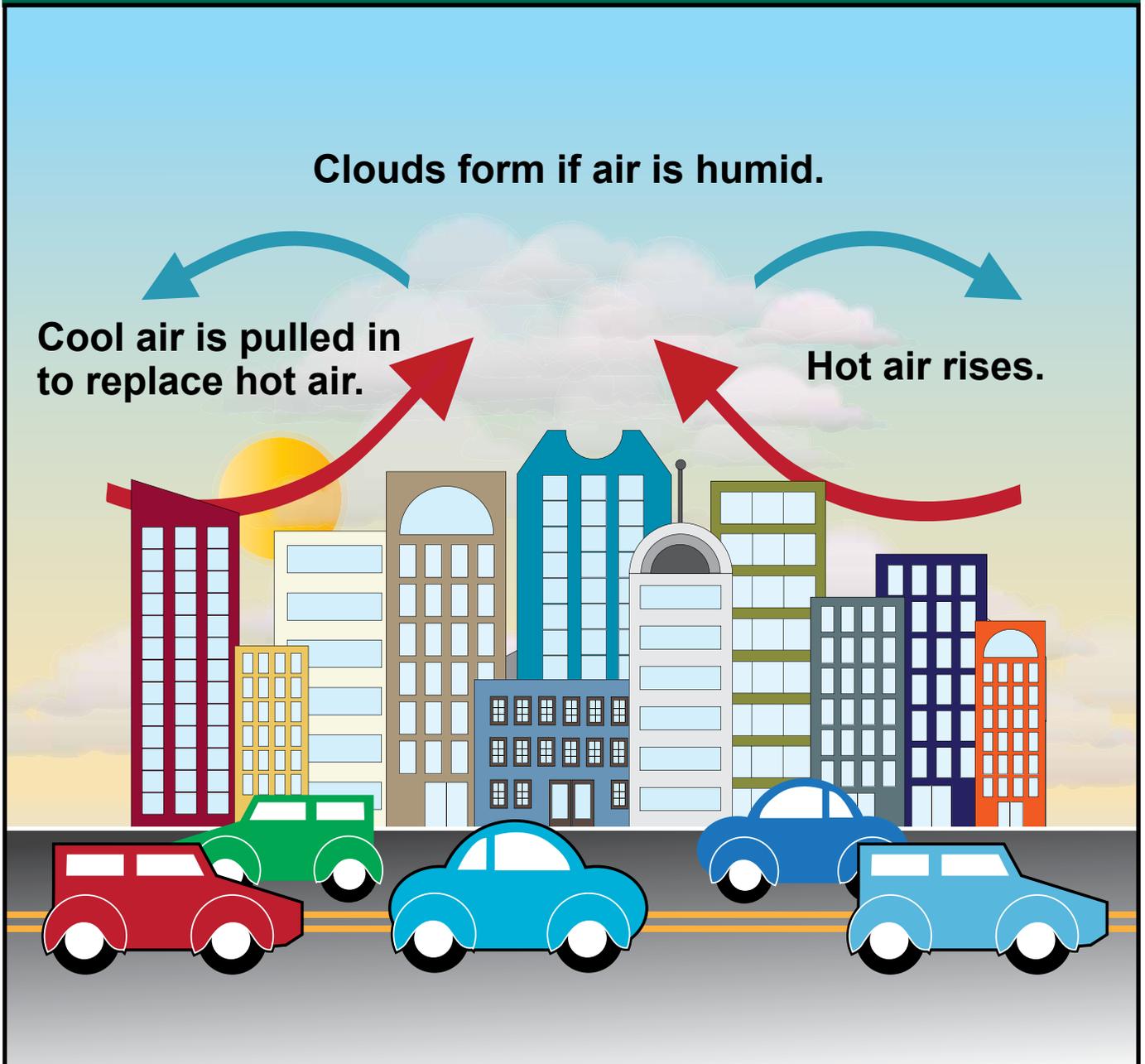


VA #21 Coal-Burning Power Plant

VA #22 Motor Vehicles



VA #23 Urban Heat Islands



VA #24 Precipitation Patterns in Texas



VA #25 How Cities May Be Changing Precipitation Patterns



Precipitation Patterns With Little Air Pollution

This illustration shows a city skyline with various buildings in red, yellow, blue, and white. The sky is a clear blue with a few white clouds. Vertical lines representing rain fall from the clouds onto the city. The ground is a flat green surface.



Precipitation Patterns With More Air Pollution

This illustration shows the same city skyline as above, but with several buildings emitting thick grey smoke from their chimneys. The sky is a darker, greyish blue with swirling white lines representing wind or air currents. The rain is depicted as a mix of vertical lines and swirling patterns, suggesting a more complex and potentially polluted precipitation pattern. The ground is a flat grey surface.

VA #26 Lyell Glacier, California

1903



2003





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