

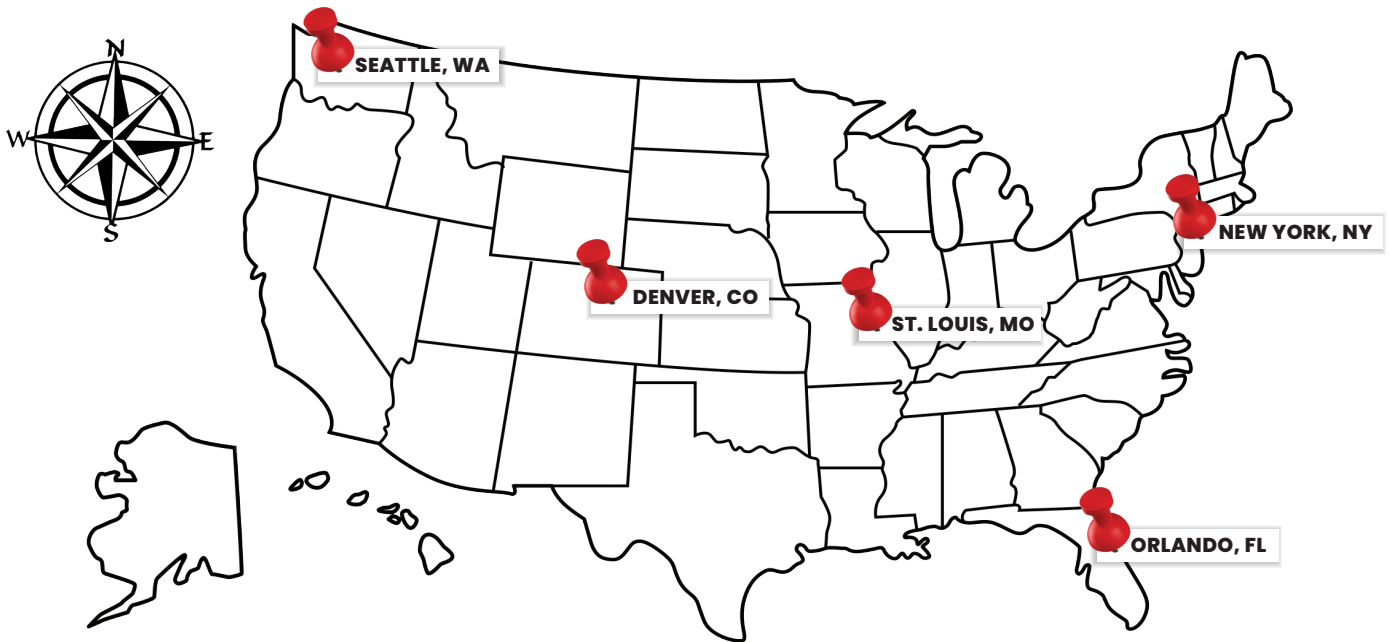
MAP THE UV INDEX



**SUN SAFETY
FOR ALL**

You've learned that invisible ultraviolet (UV) rays can cause sunburn and harm our eyes. The UV Index is a measure of the level of UV radiation and potential danger of sun exposure. It uses a scale of 1 to 11+ to predict how strong the UV rays will be each day. This helps us better prepare to protect ourselves, since a higher UV Index means a greater potential for damage to the skin and eyes, and less time needed for harm to occur.

PART 1 Look at the map below. Using what you know about geography and the UV Index, do you predict that the UV Index will be similar or different in these locations? Why?



PART 2 With your teacher or a grown-up, go to <https://enviro.epa.gov/envirofacts/uv/search>. Enter each location listed below in the box under "City & State" and click "Search." Record the UV Index number and Exposure Category in the space under the location. Add your town to the chart.

Location	Denver, CO	New York, NY	Orlando, FL	Seattle, WA	St. Louis, MO	Your Town
Date						
UV Index Number						
Exposure Category						

PART 3 Imagine that you are in charge of creating a weather forecast for each location. What sun safety tips would you provide residents to help protect them from UV rays? Write the name of each location and your tips on the back of this sheet.