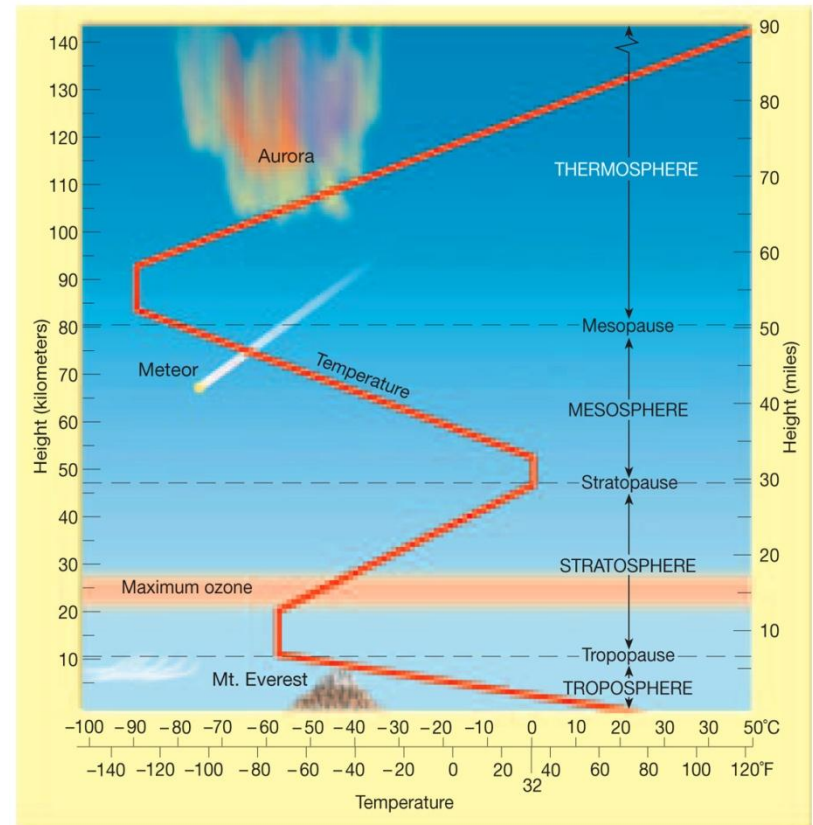


Layers of the atmosphere

Troposphere

- Closest to earth's surface
- Temperature becomes cooler at higher altitude
- Weather, clouds



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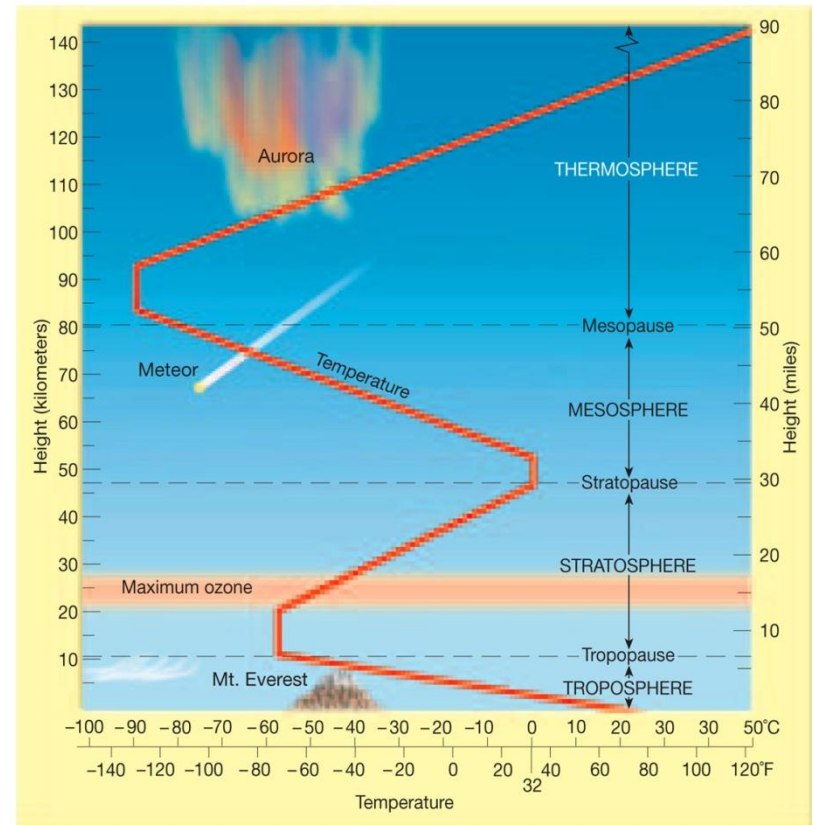
Layers of the atmosphere

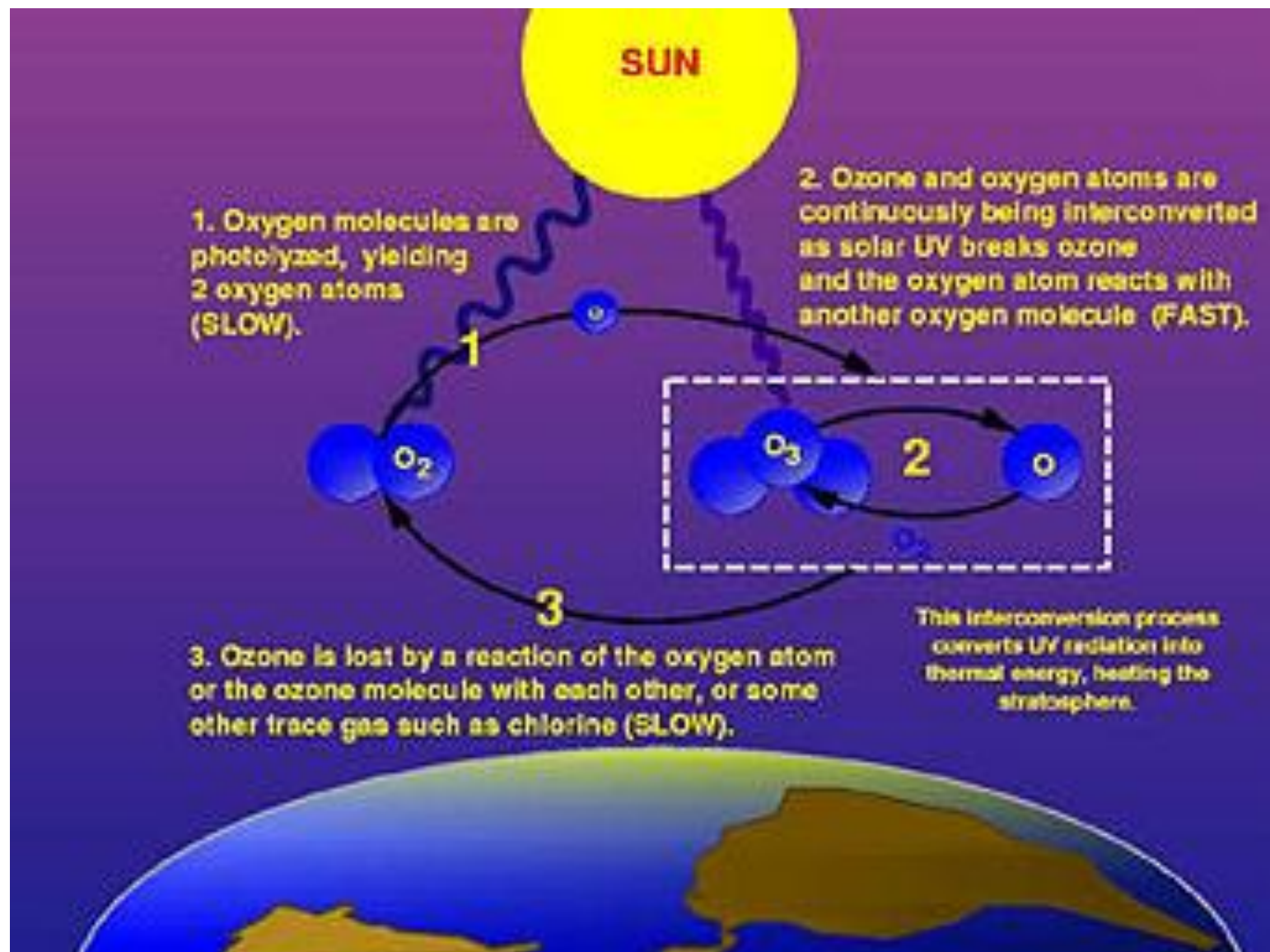
Stratosphere

- 2nd layer from surface.
- Temperature *increases* with altitude.
- Ozone layer.

Mesosphere

Thermosphere





Ultraviolet radiation strikes a CFC molecule. . .



. . .and causes a chlorine atom to break away.



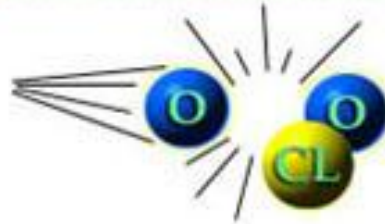
The chlorine atom collides with an ozone molecule. . .



. . .and steals an oxygen atom to form chlorine monoxide and leave a molecule of ordinary oxygen.



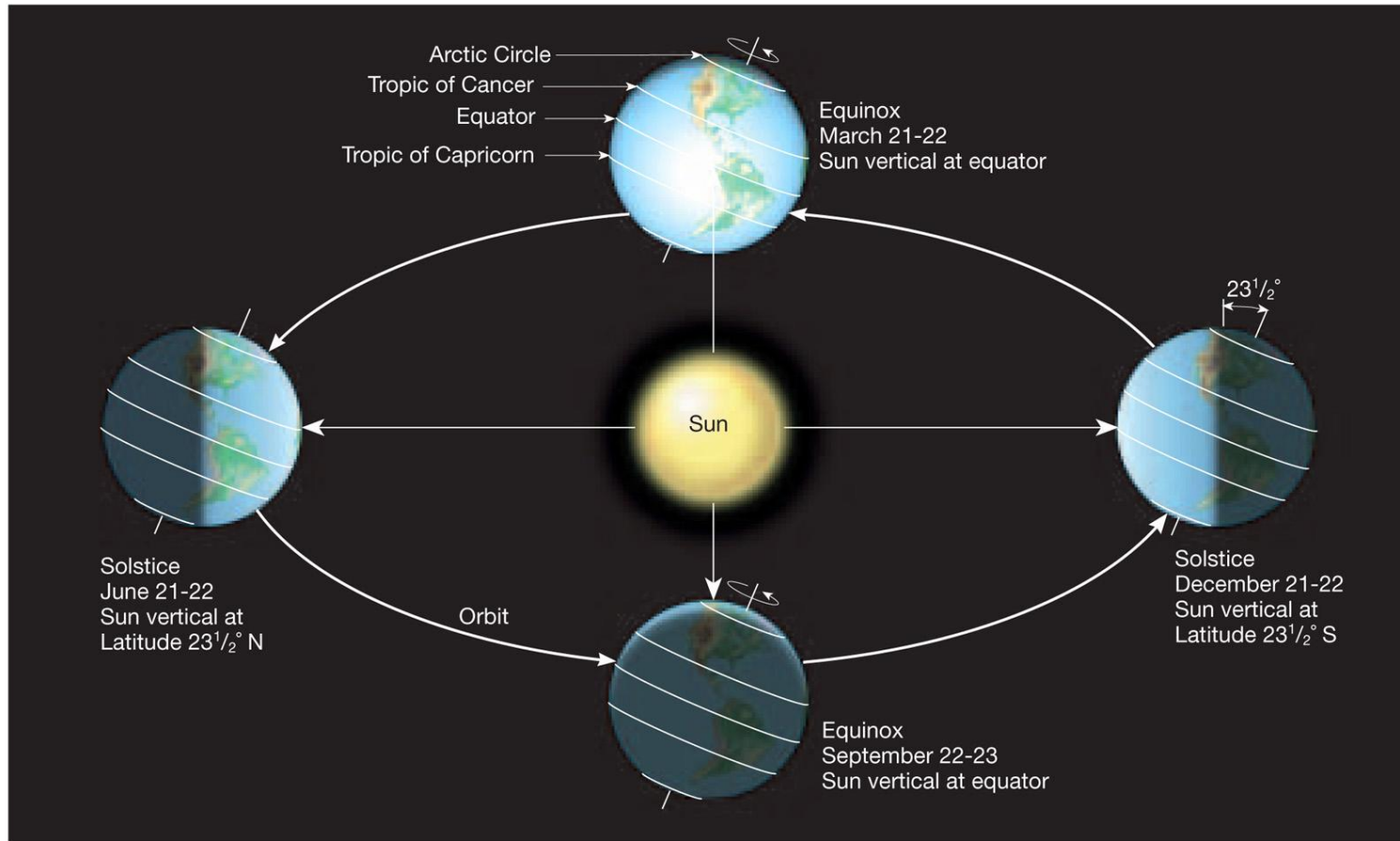
When a free atom of oxygen collides with the chlorine monoxide. . .



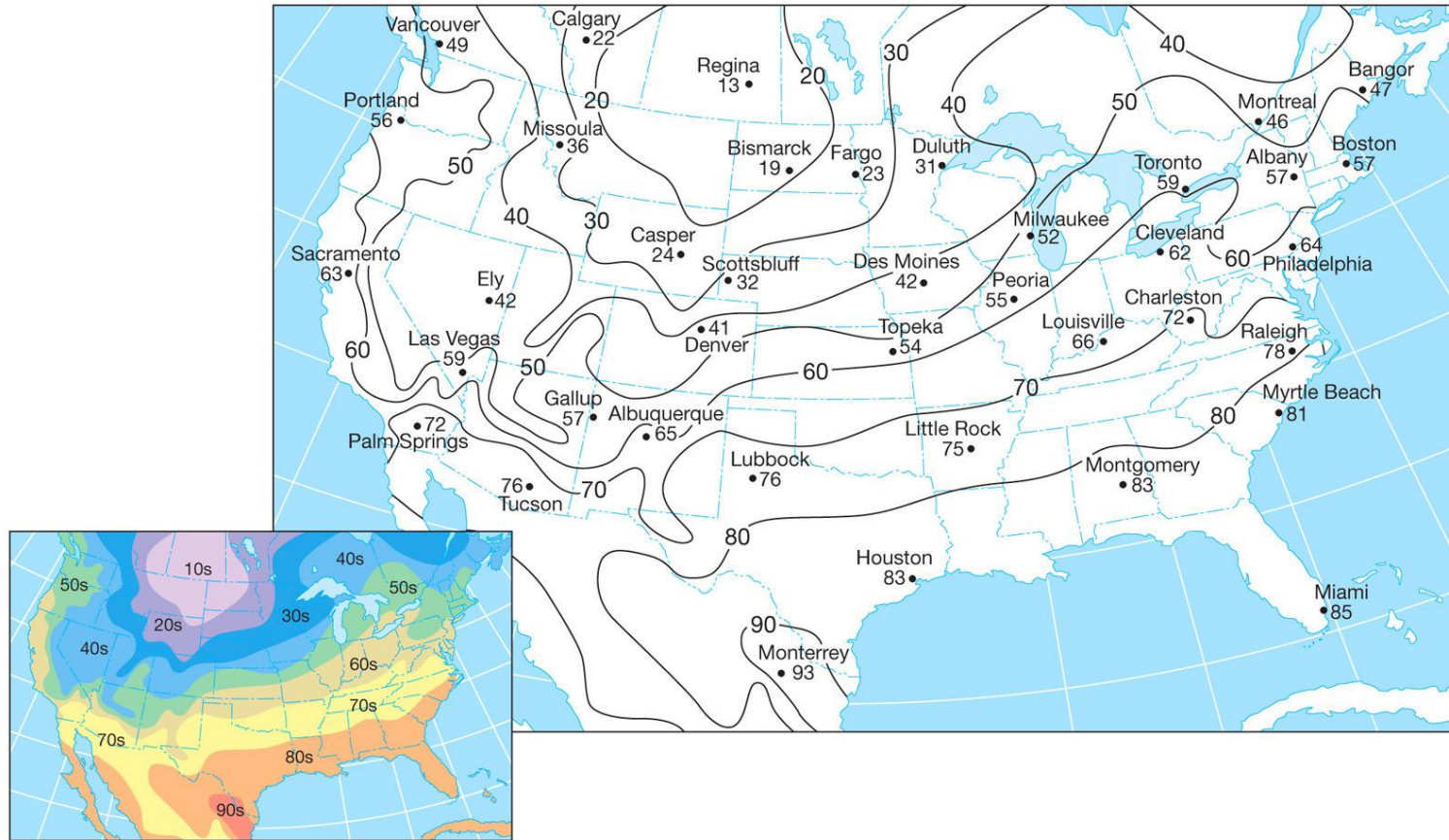
. . .the two oxygen atoms form a molecule of oxygen. The chlorine atom is released and free to destroy more ozone.



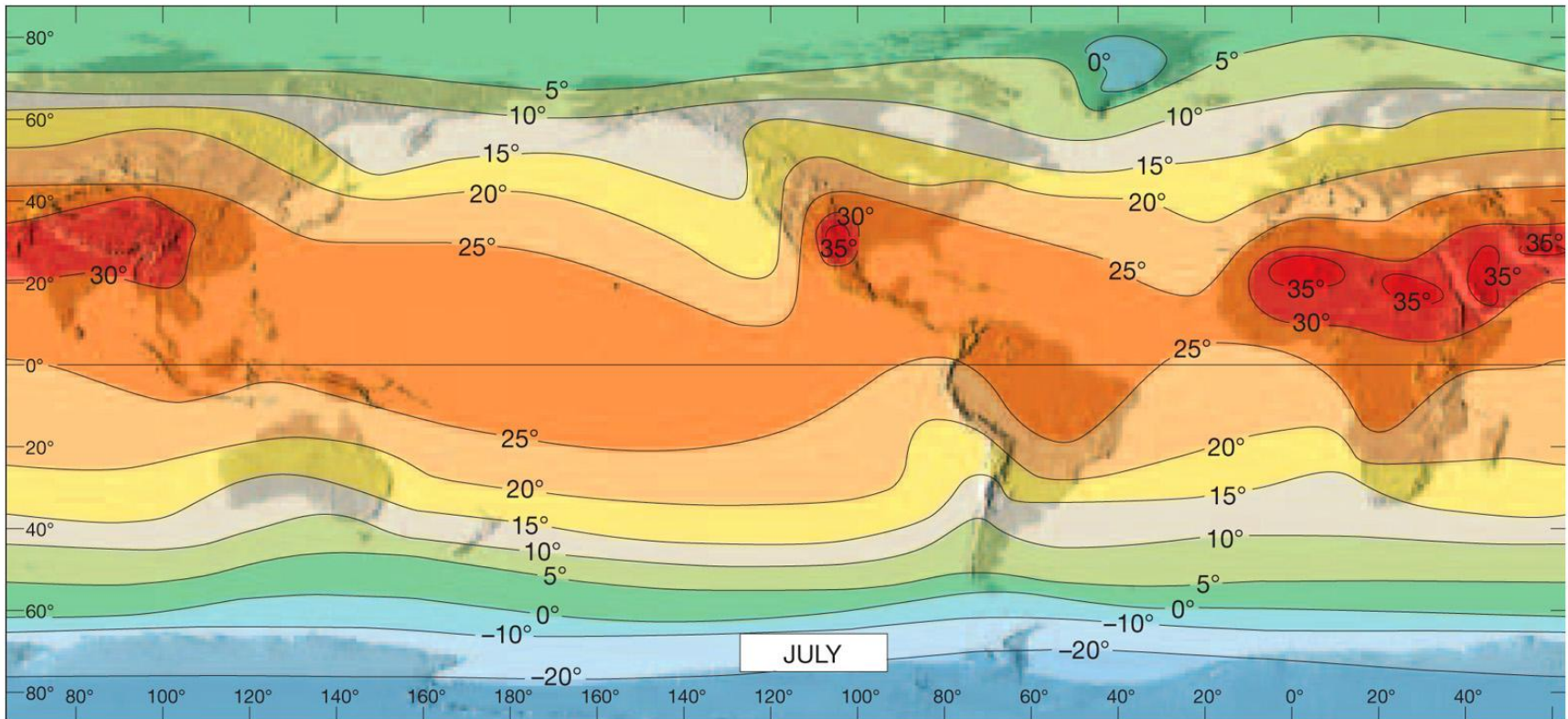
Seasons



Temperature variations

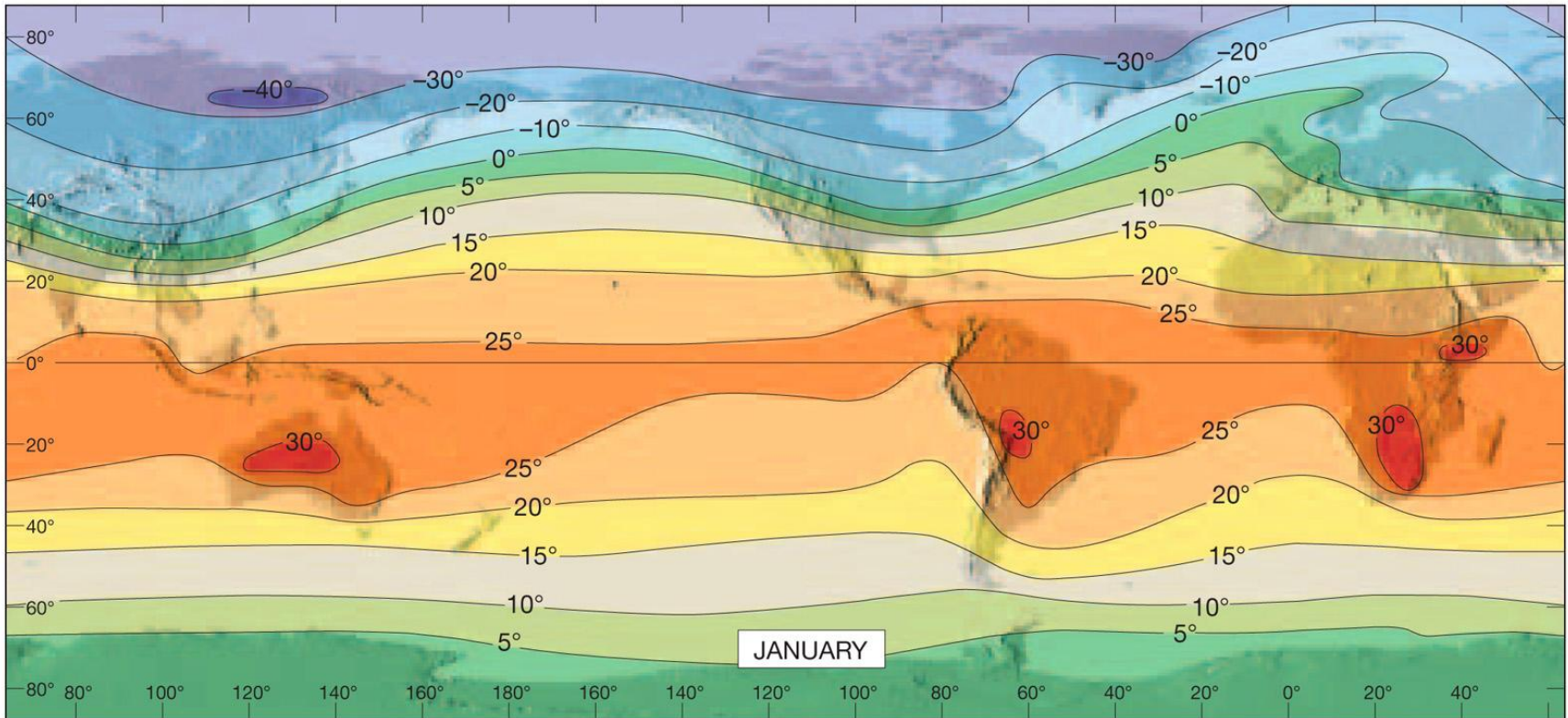


Sea-level temperatures in July



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Sea-level temperatures in January



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