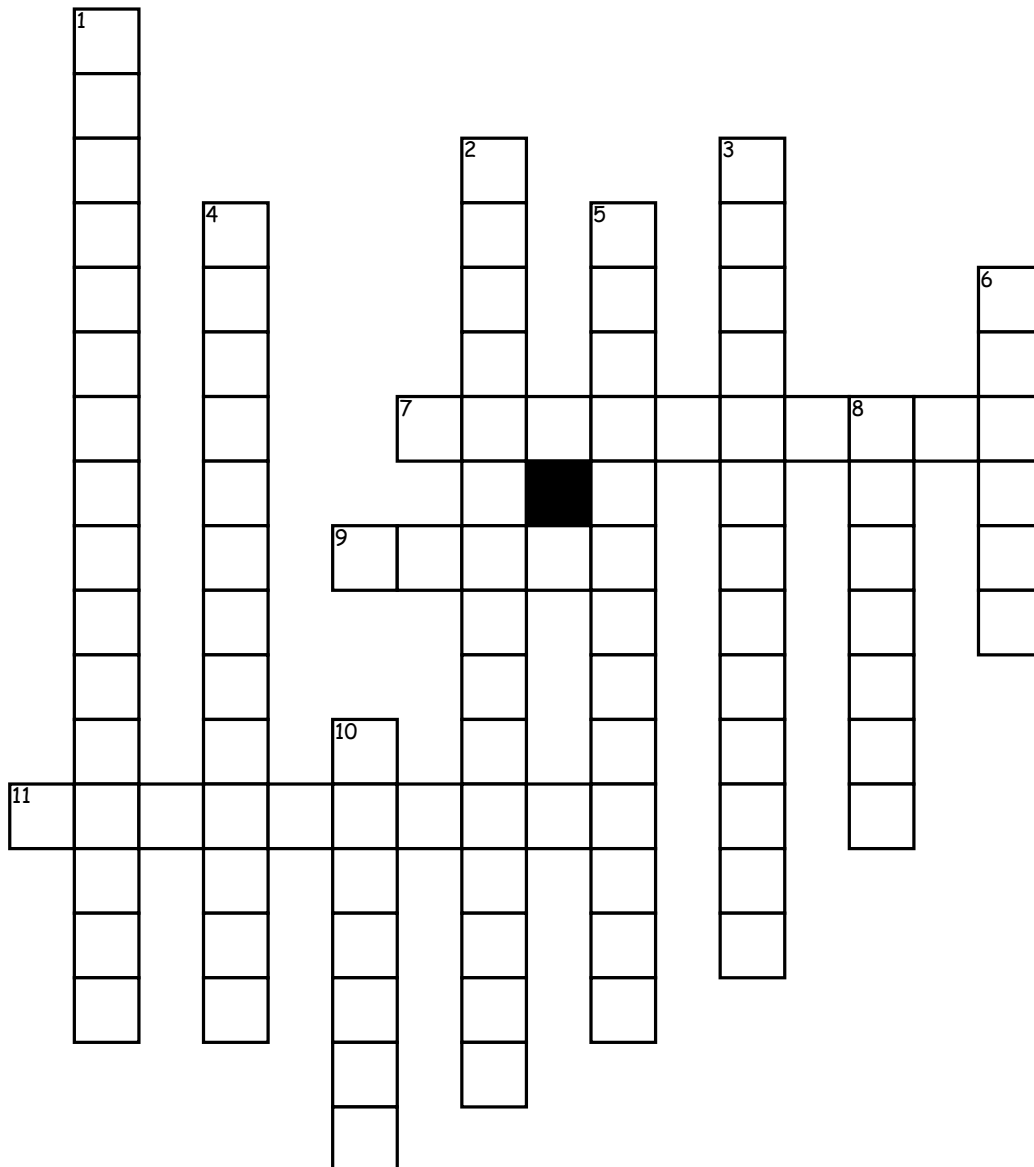


Insolation and the Seasons



Across

- 7. incoming solar radiation
- 9. absorbs much of the ultraviolet insolation from the sun
- 11. the balance between the total amount of energy an object receives the total energy it emits. Measured as the average temperature

Down

- 1. the angle at which the insolation strikes Earth's surface
- 2. gases such as carbon dioxide, water vapor, and methane, present in the atmosphere. Absorbs long-wave infrared radiation
- 3. warming of Earth's surface and lower atmosphere (troposphere) possibly caused by human pollution

- 4. how plants release water vapor into the atmosphere as part of their life functions
- 5. cutting down of forests
- 6. series of weather changes on Earth caused by a change from cold surface ocean water to warm surface ocean water in the eastern Pacific Ocean off western South America; occurs every two to ten years
- 8. periods of widespread glaciation outside of polar areas
- 10. dark region of the sun's visible surface associated with increased electromagnetic energy emitted from the sun