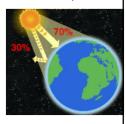


Review: Solar Radiation in the Atmosphere

- 30% of solar radiation is reflected back into space from ice, water, clouds and other bright surfaces.
 - Review: known as albedo!
- The other 70% is absorbed by land and water, which heats up and is slowly released back into the atmosphere where some escapes into space and some is absorbed by the greenhouse gases and reemitted into the Earth's atmosphere.



Simulation!

- How Greenhouse Gases Work
- You have a similar simulation on your computer modules assignment
- https://phet.colorado.edu/en/simulation/greenhouse

Greenhouse Effect – Why?

- Without the greenhouse effect, it is estimated that the Earth's average temperature would be 33°C lower than it is, making it to cold for life to survive!
- To give you a comparison, the last Ice Age had average temperature of only 4°C lower than today.



