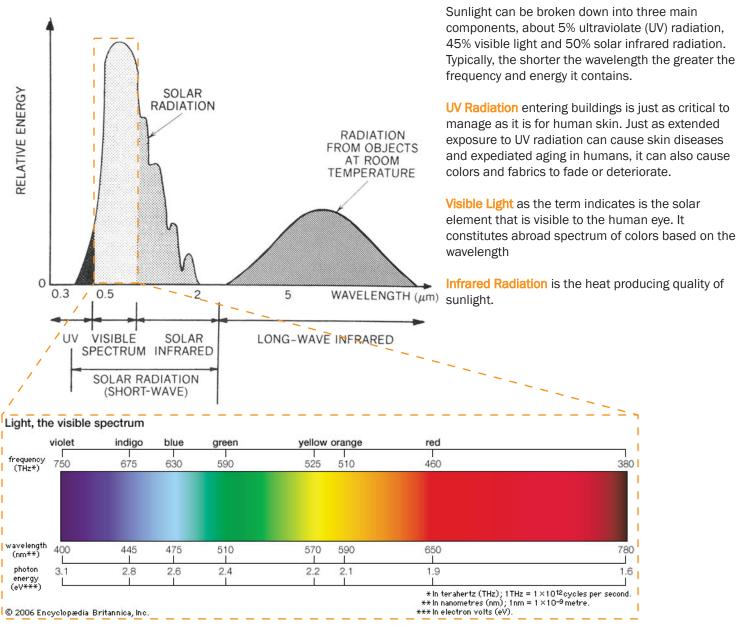
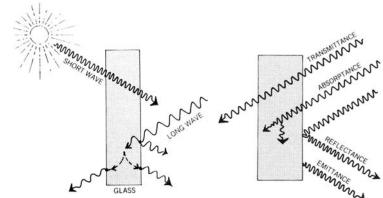
Janki A Vyas



When the waves of solar radiation interacts with a mass, it will behave differently depending on the properties of the object.

For example, when sunlight interacts with a pane of glass, all elements of short-wave radiation will pass through the glass. However, when sunlight interacts with a solid mass, for example a concrete wall; ultraviolet radiation and visible light are unable to pass through. However heat from infrared radiation is absorbed by the material and reflected, transmitted, or emitted into the surrounding space.



Sources

Lechner, N. (2001). Heating, Cooling and Lighting Design Methods for Architects (2nd Edition ed.). New York: John Wiley & Sons, Inc.

Editors of Encyclopædia Britannica. (2015, 09 13). Sunlight. Retrieved from Encyclopædia Britannica: http://www.britannica.com/topic/sunlight-solar-radiation

Editors of Encyclopædia Britannica. (2015, 09 13). Light. Retrieved from Encyclopædia Britannica: http://www.britannica.com/science/light