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Atmosphere/ Heat Transfer

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| **Across**  **2.** 0-17km above Earth's surface, site of weather, organisms, contains most atmospheric water vapor.  **3.** layer of Earth's atmosphere immediately above the stratosphere  **5.** transfer of heat by the movement of fluid.  **8.** thermal energy in transfer from one body of matter to another.  **9.** energy that is radiated or transmitted in the form of rays or waves of particles  **11.** the effect of Earth's rotation on the direction of winds and currents.  **12.** Gases such as Carbon Dioxide, Methane, Nitrous Oxide, and Water Vapor.  **16.** the pressure caused by the weight of the atmosphere.  **17.** a scale that ranks levels of ozone and other air pollutants  **18.** a substance that reduces the transfer of thermal energy. | **Down**  **1.** uppermost layer of the atmosphere, in which temperature increases as altitude increases.  **4.** a sedimentary rock consisting of mainly calcium  **6.** a thin layer of gases surrounding Earth.  **7.** 2nd layer of atmosphere; extends from 18-30 km up; location of ozone layer. Absorbs 95% of UV radiation.  **10.** a measure of the pollutants in the air that is used to express how clean or polluted the air is  **13.** a measure of how much of the sun's energy is reflected off an object back out to space.  **14.** the outer layer of the thermosphere, extending outward into space  **15.** direct transfer of heat from one substance to another substance that it is touching. |