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| **Across****2.** Solar energy reaches the earth as electromagnetic radiation.**3.** Radiation is the transfer of energy across and in the atmosphere.**6.** Convection is the transfer of heat by air currents.**8.** The lower thermosphere is call ionosphere**11.** The atmosphere is divided into four layers**13.** The process inwhich gases trap heat neat the Earth is known as the greenhouse effect.**15.** he atmosphere insulates earths surface.**16.** Ozone in the stratosphere absorbs the sun's ultraviolet energy and warms the air.**18.** The troposphere extends to about 18KM above the Earths surface.**20.** Nitrogen, oxygen, carbon dioxide and other gases are all parts of the atmosphere.**21.** Gases can be added to and removed from the atmosphere in ways other than through living organisms. | **Down****1.** The flow of heat from a warmer object to a colder object when the objects are placed in drectr physical contact is called conduction.**4.** Atmospheric dust is mainly soil.**5.** The liquid droplets found in atmospheric dust are called aerosols.**7.** The layer above the stratosphere is the mesosphere.**9.** The atmospheric layer farthest from the Earth's surface is the thermosphere.**10.** Electrically charged atoms are called ions.**12.** Methane and argon are two types of gases that help make up the earth surface.**14.** Ozone is a molecule made up of three oxygen atoms.**17.** Above the troposhere is the ?**19.** The second most abundant gas in the earth's atmosphere is oxygen. |