

ENERGY FROM THE SUN WORKSHEET

Use the words listed below to fill in the blanks

absorb

atmosphere

campfire

conduction

contact

convection

current

density

environment

heat

life

lower

radiation

reflects

sinks

space

sun

surfaces

temperature

waves

The _____ is the source of all energy in our atmosphere. When Earth receives this energy, some energy escapes back into _____, some is absorbed by the _____, and some is absorbed by land and water _____. The balance among these three help the atmosphere support _____. Energy reaches Earth in the form of radiant energy, or _____. This process is the transfer of energy by _____. You experience radiation when you sit by a _____ and your skin becomes warm. The molecules of your skin _____ the energy and you feel _____. Heat is the transfer of energy from an object with a higher _____ to an object with a _____ temperature. Some radiation isn't absorbed by the atmosphere or surface objects; it _____ off the atmosphere or surface.

_____ is the transfer of energy that occurs when molecules bump into one another and heat is transferred through direct _____.

_____ is the transfer of heat that occurs because of _____ differences in the air. Because cold air has a higher density than warm air, cold air _____ this pushes up the warm air. This rise and fall of air sets up a circular movement called a convection _____. Convection currents and other processes that transfer energy help provide the _____ we live in.