

### **Structure of the Atmosphere Video – Closed Notes**

Our atmosphere is broken down into \_\_\_\_\_ main layers. We live in the \_\_\_\_\_. The layer closest to Earth. The troposphere extends upward roughly \_\_\_\_ miles. All Earth's \_\_\_\_\_ occurs here.

The next layer up is the \_\_\_\_\_. There are strong winds at the bottom of this layer called the \_\_\_\_\_. Also in this layer is the \_\_\_\_\_ which absorbs most of the Sun's UV rays which cause sunburn. Scientists are concerned with a hole in the ozone layer because if the hole gets any larger, then the amount of radiation to reach Earth will \_\_\_\_\_.

The next layer up is the \_\_\_\_\_. It is the coldest layer. This layer protects Earth from large rock like objects called \_\_\_\_\_.

Shooting stars are actually \_\_\_\_\_ burning up in the mesosphere. Occasionally large numbers of meteors enter the atmosphere and create a \_\_\_\_\_ shower.

The thickest layer and the next layer up is called the \_\_\_\_\_. Here the UV radiation from the \_\_\_\_\_ heats up and causes the air to be really hot. There are electrically charged particles in this layer that are called \_\_\_\_\_. These particles can cause the sky to glow, this is called an \_\_\_\_\_.