



Radiation from the Sun and Earth

After viewing the NASA video, *Radiation from the Sun and Earth*, fill in the blanks below.

1. The Sun emits short -wave, high energy radiation
long/short high/low
because it is hotter than the earth.
hotter/colder
2. The earth emits long -wave, low energy radiation
long/short high/low
because it is colder than the sun.
hotter/colder

List as many types of radiation as you can and label them as long-wave or short-wave:

Types of radiation:

Long-wave or short-wave?

<u>radio</u>	<u>long</u>
<u>microwave</u>	<u>long</u>
<u>infrared</u>	<u>long</u>
<u>visible</u>	<u>long</u>
<u>ultraviolet</u>	<u>shorter</u>
<u>x-ray</u>	<u>short</u>
<u>gamma ray</u>	<u>very short</u>