

Visible light is only a portion in the range of wavelike energies. The whole range of wavelike energies is called the *electromagnetic spectrum*.

Gamma rays have the smallest waves of all. They can be used to sterilize medical equipment.



longer wavelengths than gamma rays, but they are still tiny. They pass right through the soft parts of our body but bounce off bone. That is why x-ray pictures can be used to find cracks in bone.



Ultraviolet waves are too small to be seen but we notice their effects. We feel ultraviolet radiation from the sun when we get a sunburn.





The next size of wave in the electromagnetic spectrum is *visible light*.

Our eyes can see the colors of the rainbow from red to violet. Color all the shades of visible light you can see in the rainbow.





Infrared is next. You can't see infrared waves, but you can feel them as heat.

Looking at this picture, what do you think gives off the most infrared waves?



