Notes Chapter 22 Section 2 Part A

What kind of light can bees see that humans cannot?

All EM waves travel at the same speed in a vacuum. It is

__________________________.

The entire range of EM waves is called the ____________________________.

__________________________ waves are waves with a long wavelength and a small frequency.

Why are radio waves considered low energy waves?

Why can't we hear radio waves traveling by us in this room? We could hear them if we had a radio. What do radios do to make it possible to hear radio waves?

Why can AM waves travel farther than FM waves?

Why do FM waves sound better than AM waves?

On page 568 and 569 is a picture of the electromagnetic spectrum. You should include this in your notes. Make sure to include what happens to the wavelength and the frequency along the spectrum. You should also include the use of each type of wave.
__________ are waves that are between radio waves and infrared waves in the EM spectrum.

There are 4 steps that show how to describe how a microwave can cook your food. Add these steps to your notes.

Another common use of microwaves is ____________.

__________ are waves that are between microwaves and visible light on the EM spectrum.

Do infrared waves have more or less energy than microwaves? Explain.

One source of infrared waves is the ___________. This is why you feel warm when it is out. How do infrared waves warm your body?

The amount of infrared radiation emitted by an object depends on the ____________ of the object.