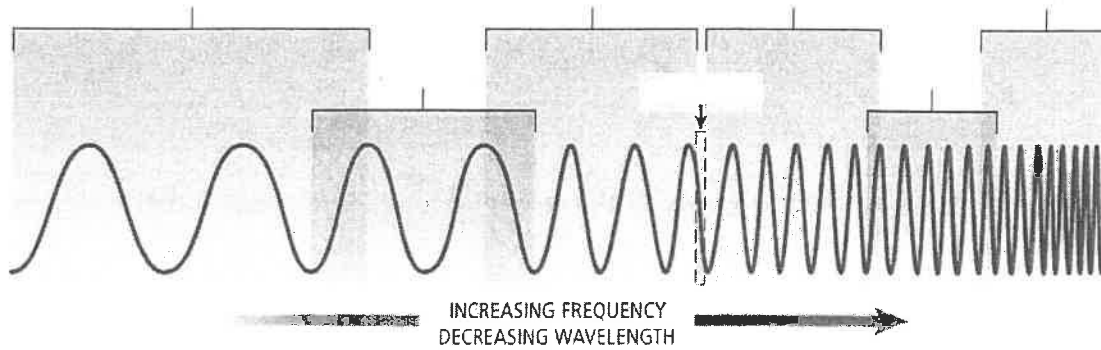


**Electromagnetic radiation is the transmission of energy in the form of waves that extend from the longest radio waves to the shortest gamma rays.**

Use diagram 4.20 on page 154 to label the following diagram.



**Figure 4.20** Electromagnetic waves are described by different names depending on their frequency and wavelength.

Read pages 154 – 160 and complete the following notes. (Each section must be summarized in 20 words or less)

**Wavelengths Longer than Visible Light**

**A. Radio Waves**

_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

**B. Microwaves**

_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

C. Infrared Waves


**Wavelengths Shorter than Visible Light**

D. Ultraviolet Waves (UV)


E. X Rays


F. Gamma Rays


\*\*\*\*VISIBLE LIGHT\*\*\*\*
