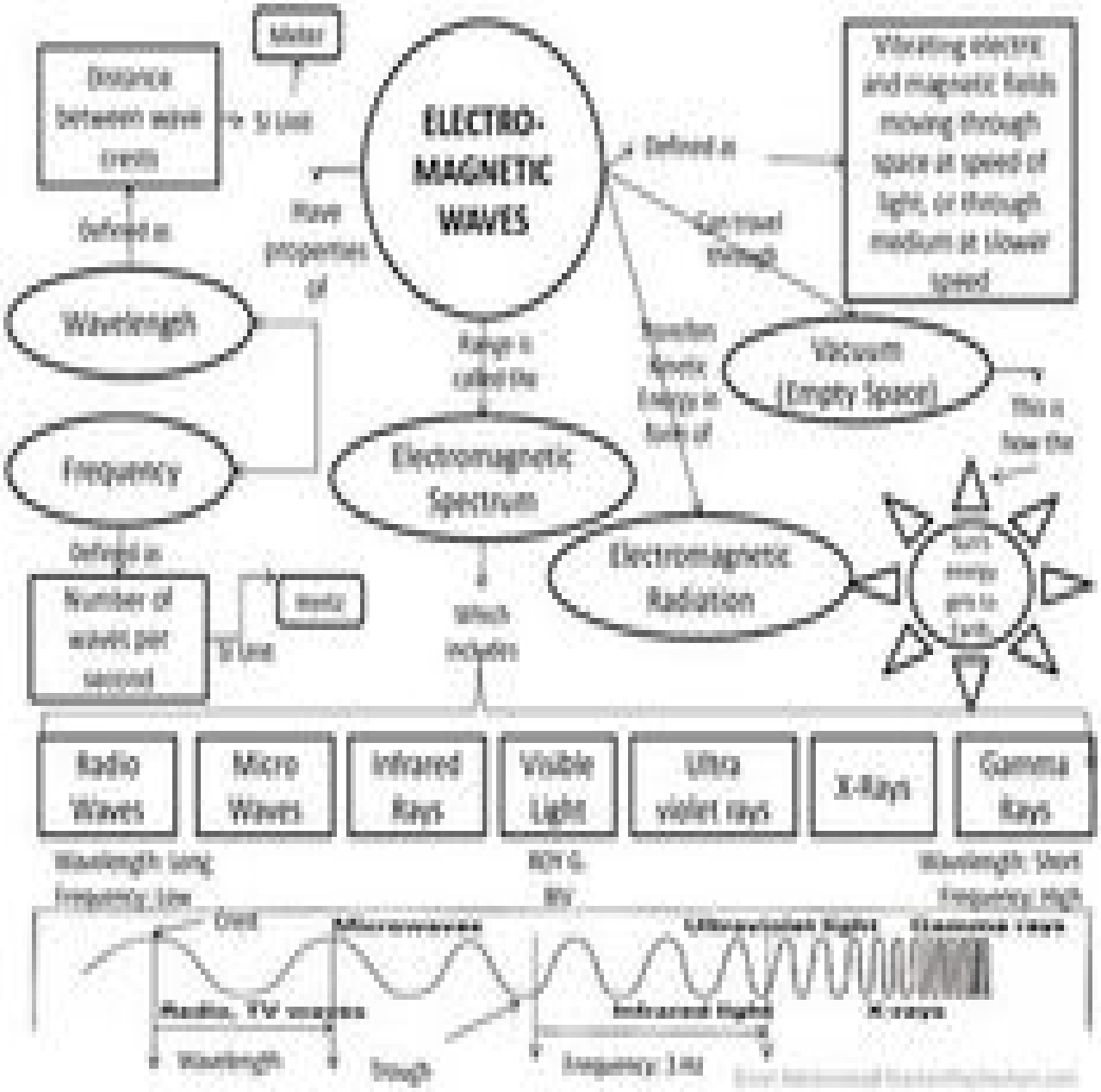
ELECTRO-MAGNETIC WAVES
Meter
Distance between wave crests
SI Unit
Defined in
Wave properties of
Wavelength
Frequency
Defined in
Number of waves per second
Hertz
SI Unit
Range is called the
Electromagnetic Spectrum
which includes
Radio Waves
Micro Waves
Infrared Rays
Visible Light
Ultra violet rays
X-Rays
Gamma Rays
Wavelength: long
Frequency: Low
Wavelength: Short
Frequency: High
Defined in
Vibrating electric and magnetic fields moving through space at speed of light, or through medium at slower speed
Can travel through
Vacuum (Empty Space)
Electromagnetic Radiation
Wavelength
Trough
Frequency: Hz