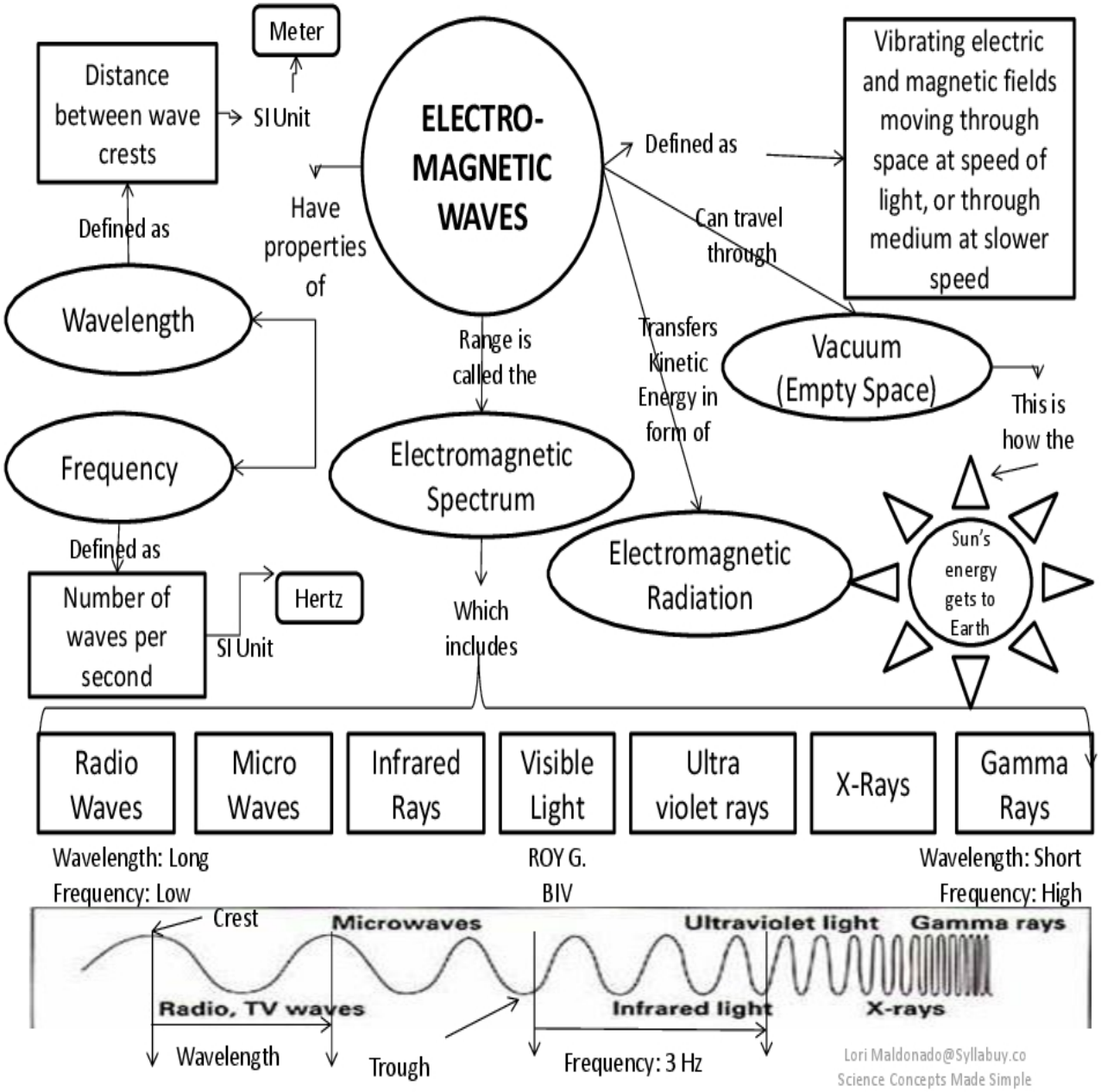
ELECTRO-MAGNETIC WAVES
Have properties of
Distance between wave crests
SI Unit
Meter
Defined as
Wavelength
Frequency
Defined as
Number of waves per second
SI Unit
Hertz
Defined as
Vibrating electric and magnetic fields moving through space at speed of light, or through medium at slower speed
Can travel through
Vacuum (Empty Space)
This is how the
Sun's energy gets to Earth
Range is called the
Electromagnetic Spectrum
Which includes
Transfers Kinetic Energy in form of
Electromagnetic Radiation
Radio Waves
Micro Waves
Infrared Rays
Visible Light
Ultra violet rays
X-Rays
Gamma Rays
Wavelength: Long
Frequency: Low
ROY G. BIV
Wavelength: Short
Frequency: High
Crest
Microwaves
Ultraviolet light
Gamma rays
Radio, TV waves
Infrared light
X-rays
Wavelength
Trough
Frequency: 3 Hz
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Science Concepts Made Simple