

SLIDES FOR PODCAST

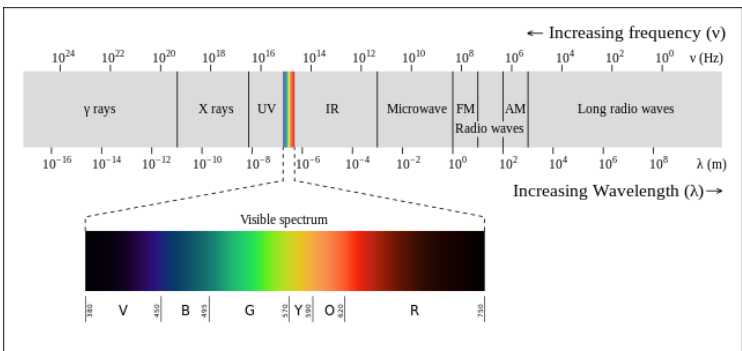
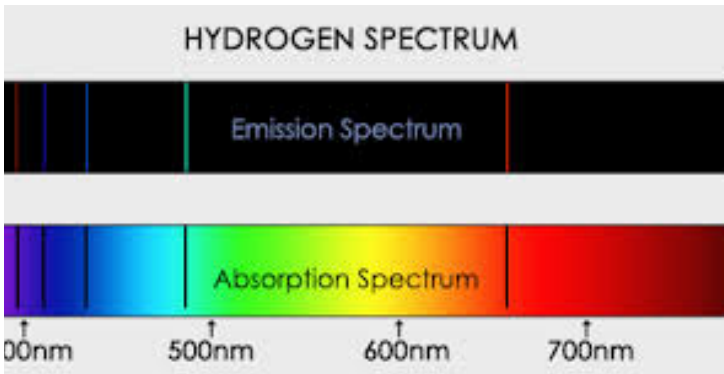
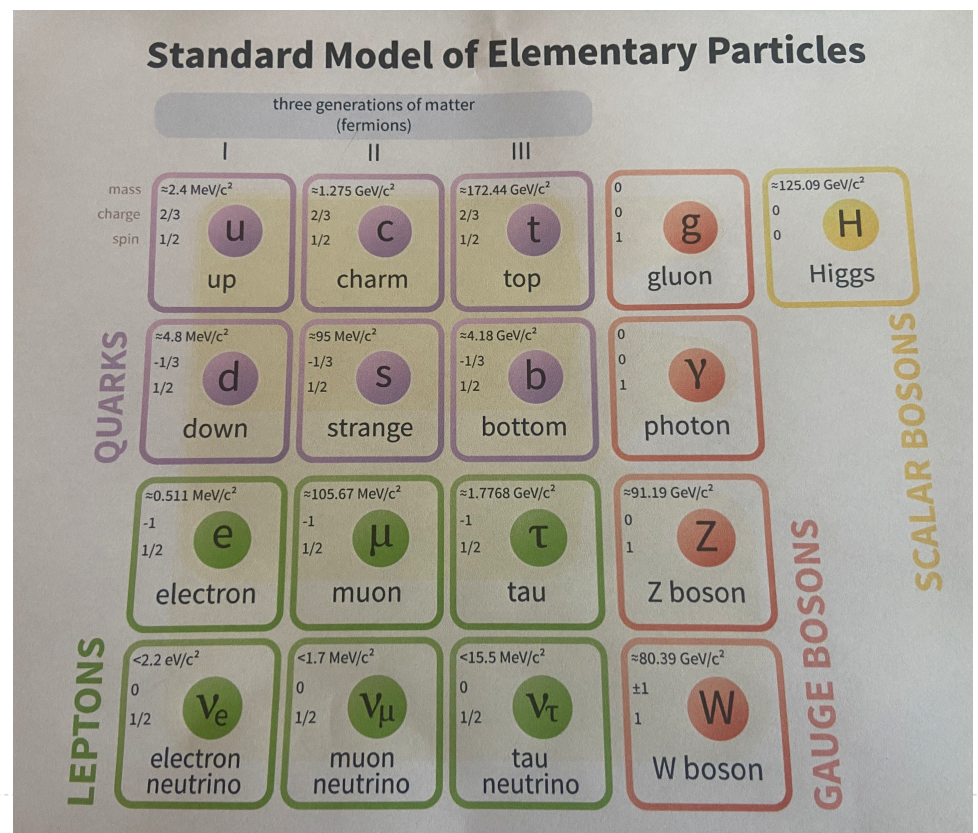
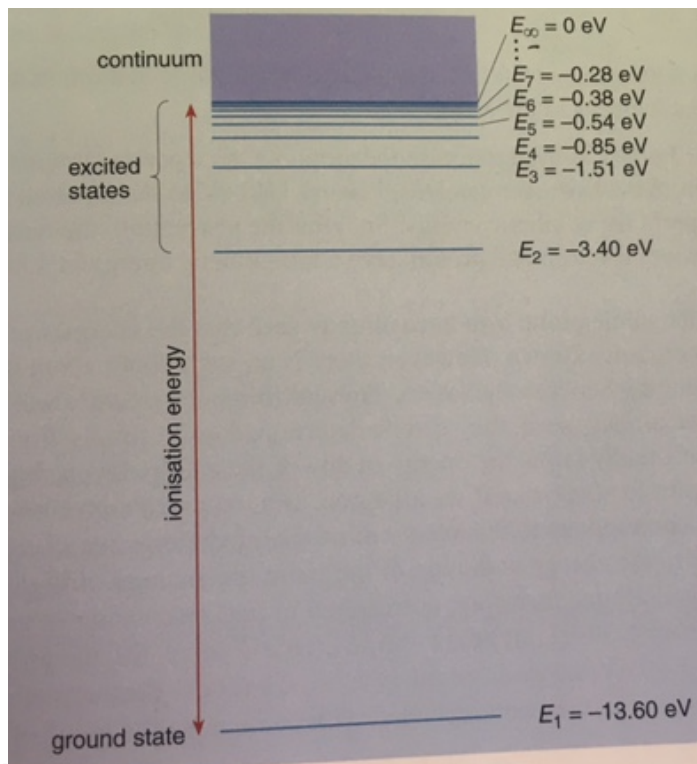
THE SOLAR SYSTEM MODEL OF THE ATOM



**QUANTUM ID**

[WWW.QUANTUMID.SCIENCE](http://WWW.QUANTUMID.SCIENCE)

A NEW PERSPECTIVE BY K. STRANG



QUANTUM NUMBERS	VALUES	DESCRIPTION
<b>n</b>	The principle quantum number may be any positive whole number and describes the energy level	The size of the orbital or energy
<b>l</b>	The orbital or angular quantum number can take a whole number value from 0 to n - 1	the shape of the orbital
<b>m<sub>l</sub></b>	The magnetic quantum number with (2l + 1) different values between -l to +l	the orientation of the orbital
<b>m<sub>s</sub></b>	for each combination of the above three numbers there are two possible values of the spin quantum number +1/2 -1/2	spin