

## Topics for Today

- Scientific notation
- · Coupling of atoms and light
- Electrons pop from one level to another
- Yields `spectral lines' that are fingerprints <u>unique</u> to each atom
- "Kirchoff's Laws" about emission and absorption features in spectra

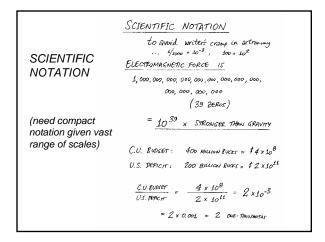
### Reading for Next Class (Wed)

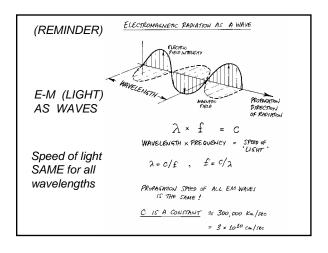
- Finish reading Chap 6, Light
- Start reading Chap 7, Telescopes
- Check with us if any problems with your clickers (fully in use Wed 19 Jan)
- Homework 1 due in class Fri 21 Jan

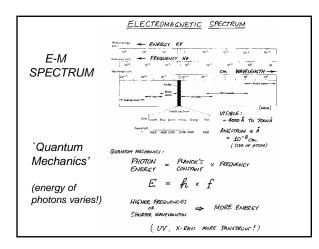
# Clicker Tryout

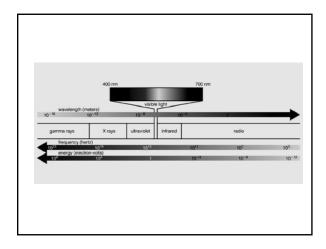
#### Which year at CU are you in?

- A. Freshman
- B. Sophomore
- C. Junior
- D. Senior
- E. Other, and still enjoying it









# Discussion Clicker Q Is Extra-Sensory Perception (ESP), or telepathy, possible ... or is it nutty?

- A. Pretty unlikely (No)
- B. Sure, I believe it (Yes)
- C. Darned if I know (and why ask this in astronomy)
- D. How could such "communication" be carried out? (Interested)
- E. I prefer to sleep, wake me when its over

