

What You Should Know About “Cameras”!

- 1.) What does CCD stand for? (charge coupled device)
- 2.) How are CCDs and CMOSs similar? (both convert light to electrical charge from which an electrical signal is formed)
- 3.) Which type of device is used in a cell phone camera? Which with telescopes? (cell phones are CMOSs; telescopes CCDs)
- 4.) When you see a colorful picture of a celestial object, maybe a nebula (mass of gas), and it's colorful and beautiful, what do you need to know about the picture? (It, in all probability, is not the real color of the object as at least some of the frequencies you are looking at might not even be in the optical range.)
- 5.) If you are looking for massive, hot, young stars, or stars in areas that are producing new stars, what kind of filter might you use over a telescope camera? (*hydrogen alpha* lines will be evident, so that's what you want to filter your telescope camera for)