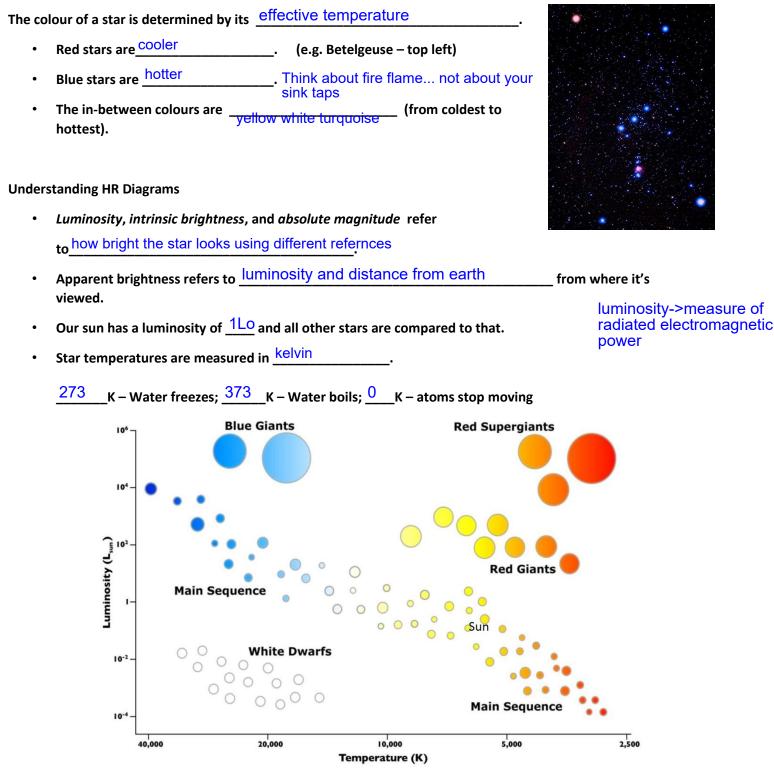
Earth Science 11 Unit 1 – Earth and its Solar System Day 4 – Stars

Date: ___

Block: _____



Watch the YouTube video "Star Classification: Sixty Symbols" and answer these questions

- 1. What is the official classification for our Sun?
- 2. What is the current letter classification (from blue to red)? What is the mnemonic used to remember it? Add the letters to your HR diagram above (They show them on the video don't panic).

Stars in our "neighbourhood":

- The nearest star system to ours is proxima centauriat a distance of 40 208 000 000 km
- It consists of three stars:
 - 1. Alpha Centauri A
 - 2. Alpha Centauri B
 - 3. Proxima Centauri
- The first two are main sequence stars that orbit each other. They appear to the naked eye as one star.
- The third is a red dwarf that *probably* orbits the other two.
- Alpha Centauri B is orbited by its own planet.