

# Stars

This task is about graphing the brightness and temperature of stars.

The diagram can be used to describe the relationship between the surface temperature of stars and their brightness. Most stars are on the main sequence. The Sun is shown in its position on the main sequence.

Use the information below to write the letters A to E on the diagram, to show where the different stars that are in bold, can be found.

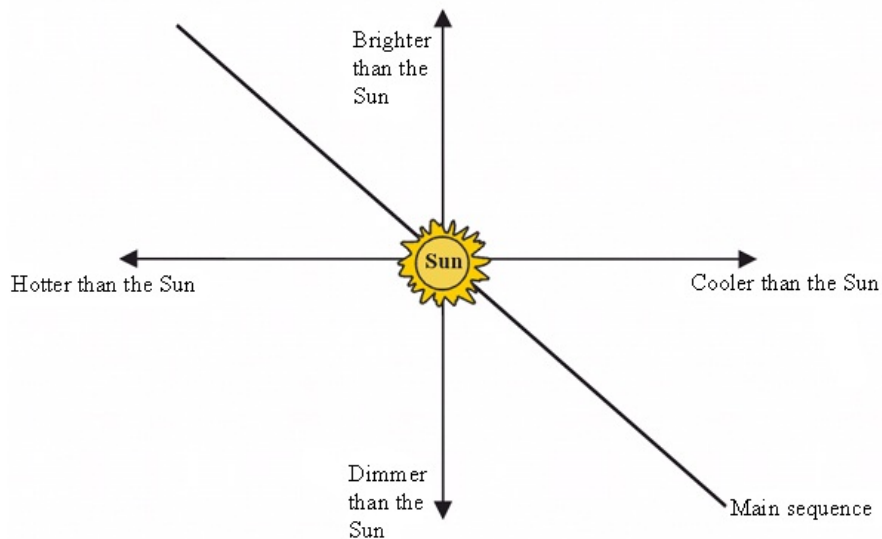
**A - blue star** is a main sequence star that is hotter than the Sun.

**B - small main sequence** star is dimmer than the Sun.

**C - white dwarf** is hotter than the Sun and dimmer than the Sun.

**D - main sequence** star, cools it forms a red giant that is brighter than the Sun.

**E - supergiants** are hotter than red giants and are the brightest stars known.



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