



Reading Clicker Question: What is the most fundamental property of a star in determining its evolution?

A.composition

B.size

C.temperature

**D.luminosity** 

E.mass

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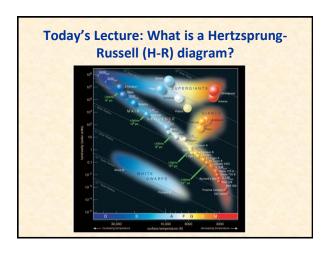
A.composition

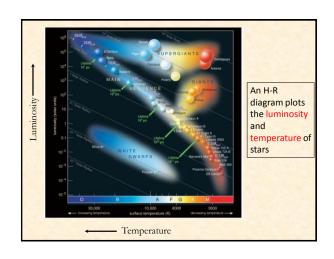
B.size

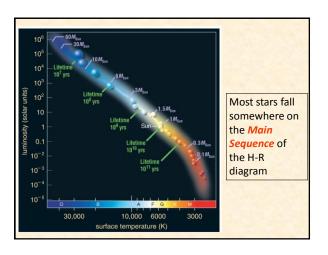
C.temperature

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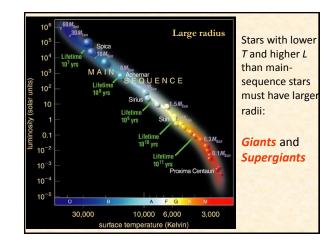


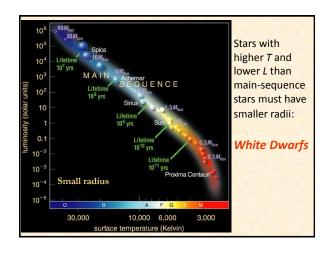
## Clicker Question: A star near the top of the Main Sequence has a <u>luminosity</u> about:

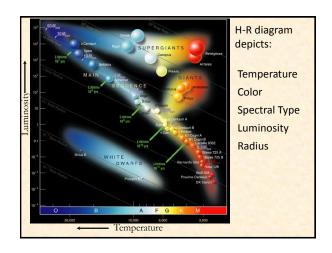
- a) Twice the Sun's luminosity
- b) Five times the Sun's luminosity
- c) 20 to 30 times the Sun's luminosity
- d) >10,000 times the Sun's luminosity

## **Clicker Question:** A star near the top of the main sequence has a <u>luminosity</u> about:

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A star's full classification includes spectral type and luminosity class:

I - supergiant
II - bright giant
III - giant
IV - subgiant
V - main sequence

Examples: Sun - G2 V
Sirius - A1 V
Proxima Centauri - M5.5 V
Betelgeuse - M2 I

