

Name _____ **H-R Diagram**



H-R Diagram

Use words from the box to complete the paragraph.

temperature	inverse	greater
brightness	color	absolute magnitude
lesser	luminosity	negative

A Hertzsprung-Russell diagram plots the _____ and _____ of stars on a graph. The color indicates the _____ on the surface of each star. The absolute magnitude indicates the _____ (true _____) of each star. The absolute magnitude and the luminosity of a star have an _____ relationship: The _____ the absolute magnitude, the _____ the luminosity. The absolute magnitude of the most luminous stars is a _____ number.