

get a HW packet (1/person)
 get a lab sheet (1/pair)

Virtual LAB: H-R diagram

- groups of two
- explorellearning.com (login w/ username and password on strip of paper)
- due at end of hour

one person have this open

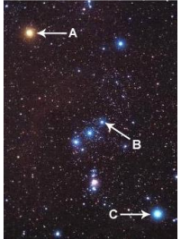
Explor^learning

Name: _____ Date: _____

Student Exploration: H-R Diagram

Vocabulary: giant, H-R diagram, luminosity, main sequence, star, supergiant, white dwarf

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)



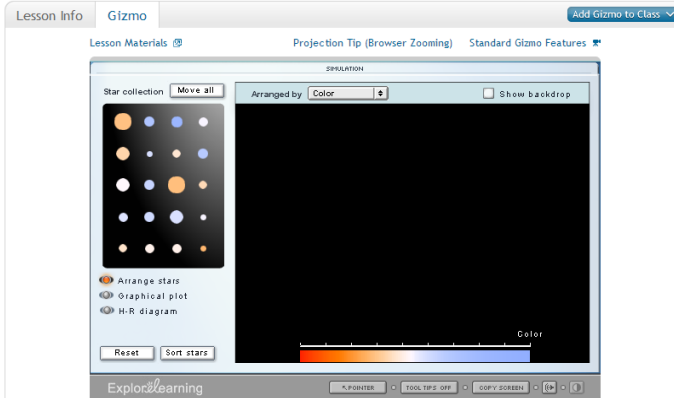
1. How do the appearances of **stars** A, B, and C in the photo at left compare? _____

2. What are some ways the stars in the photo could be grouped or classified? _____

one person have this open

H-R Diagram

A collection of stars visible from Earth can be arranged and classified based on their color, temperature, luminosity, radius, and mass. This can be done using one or two-dimensional plots, including a Hertzsprung-Russell diagram of luminosity vs. temperature.



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