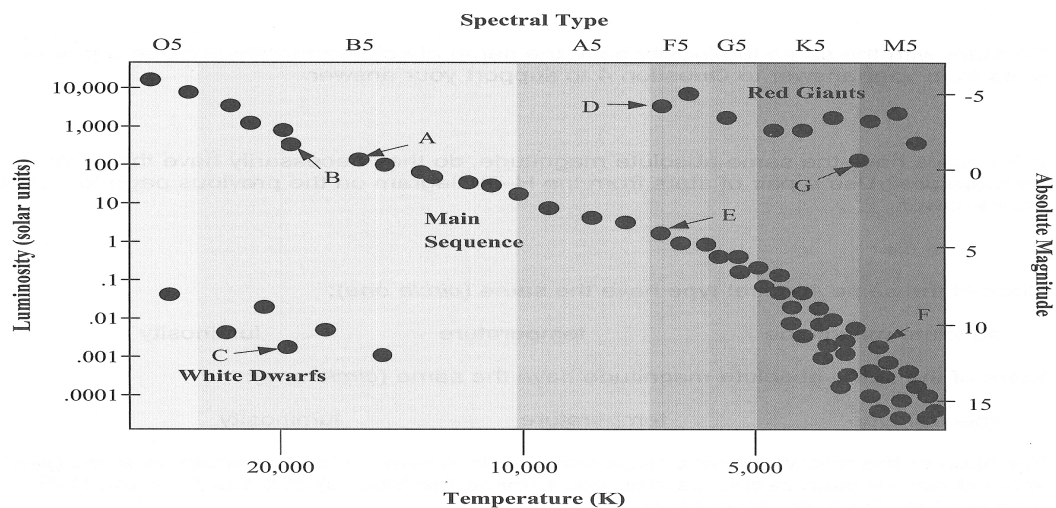


Use the H-R diagram below to answer questions throughout this activity.



- 1) What are the spectral type, temperature, absolute magnitude, and luminosity of Star A?
  - a) Spectral type:
  - b) Temperature:
  - c) Absolute magnitude:
  - d) Luminosity:
- 2) Which two pairs of labeled stars (A–G) in the diagram have the same temperature?
- 3) Do stars of the same temperature have the same spectral type? Use a pair of stars from your answer to Question 2 to support your answer.