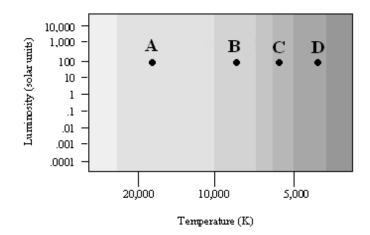
Astronomy Ranking Task: Luminosity of Stars

Exercise #2

Description: Consider the Hertzsprung-Russell (HR) diagram shown below which relates the luminosity (in solar units) to the temperature for four stars (A - D).



Ranking Order: Hottest 1 2 3 4 Coldest	
Or, all the stars have the same temperature (indicate with a check mark))
Carefully explain your reasoning for ranking this way:	
B. Ranking instructions: Rank the luminosity of the stars (A – D) from greate	
B. Ranking instructions: Rank the luminosity of the stars (A – D) from greate least (dimmest).	
B. Ranking instructions: Rank the luminosity of the stars (A – D) from greate least (dimmest). Ranking Order: Greatest 1 2 3 4 Least Or, all the stars have the same luminosity (indicate with a check mark)	

C. Ranking instructions: Rank the surface area of the stars $(A - D)$ from largest to sm	allest.
Ranking Order: Largest 1 2 3 4 Smallest	
Or, all the stars have the same surface area (indicate with a check mark)	
Carefully explain your reasoning for ranking this way:	