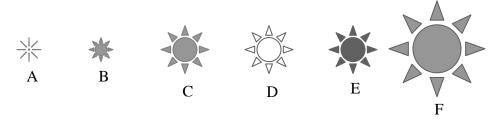
Astronomy Ranking Task: Luminosity of Stars

Exercise #5

Description: The temperature and surface area for six stars (A - F) are given in the table below.



Star	A	В	С	D	Е	F
Surface Area	1	1	2	2	2	4
Temperature	1000 K	2000 K	2000 K	3000 K	1000 K	2000 K

Ranking instructions: Rank the luminosity of the stars $(A - F)$ from greatest (brighte (dimmest).	st) to least
Ranking Order: Greatest 1 2 3 4 5 6 Least	
Or, all the stars have the same luminosity (indicate with a check mark)	
Carefully explain your reasoning for ranking this way:	