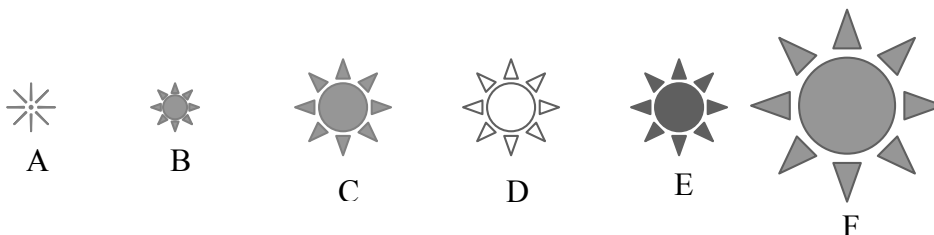


Astronomy Ranking Task: Luminosity of Stars

Exercise #5

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



Star	A	B	C	D	E	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 (brightest) to least (dimnest).

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:
