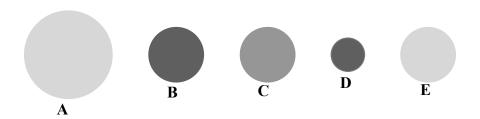
Astronomy Ranking Task: Luminosity of Stars

Exercise #1

Description: Imagine you are comparing the five electric hot plates (A - E) of different sizes and temperatures. The temperature of each hot plate is indicated by a shade of gray such that the <u>lighter</u> the shade of gray, the <u>higher</u> the temperature of the hot plate.



A. Ranking instructions: Rank the surface area (from largest to smallest) of the hotplates.
Ranking Order: Largest 1 2 3 4 5 Smallest
Or, all the hotplates have the same surface area (indicate with a check mark)
Carefully explain your reasoning for ranking this way:
B. Ranking instructions: Rank the temperature (from hottest to coldest) of the hotplates.
Ranking Order: Hottest 1 2 3 4 5 Coldest
Or, all the hotplates have the same temperature (indicate with a check mark)
Carefully explain your reasoning for ranking this way:

C. Ranking instathe hotplates.	ructions: Rank	the tot	al energ	gy outpu	t or lumin	nosity (from greatest to least) o
Ranking Order:	Greatest 1	2	3	4	5	Least
Or, all the hotplat mark)	es have the sam	e energ	gy outpu	t or lum	inosity	(indicate with a check
Carefully explain	n your reasoning	g for ra	nking th	nis way:		
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