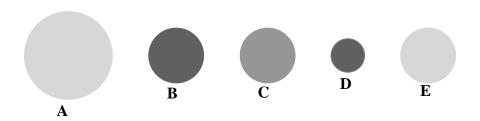
## Astronomy Ranking Task: Luminosity of Stars

## 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.



<b>A.</b> Ranking instraction hotplates.	ructions: Rank	the surf	ace area	(from l	argest to	smallest) of the
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 ran	king this	s way:		
<b>B. Ranking instr</b> hotplates.	uctions: Rank	the tem	perature	(from h	nottest to	coldest) of the
Ranking Order:	Hottest 1	2	3	4	5	Coldest
Or, all the hotplate	es have the same	e tempei	rature _	(i	ndicate v	vith a check mark)
Carefully explain	ı your reasoning	for ran	king this	s way:		

<b>C. Ranking instructions:</b> Rank the total energy output or luminosity (from greatest to least) of the hotplates.	
<b>Ranking Order:</b> Greatest 1 2 3 4 5 Least	
Or, all the hotplates have the same energy output or luminosity (indicate with a check mark)	
Carefully explain your reasoning for ranking this way:	