## Astronomy Ranking Task: Ohm's Law

## Exercise #2

**A:** 6 V & 0.006 A

**Description:** There are four circuits, labeled A – D, each with one battery and one branch for current to follow. The batteries' voltages and amounts of current in the branches are as indicated below.

**C:** 120 V & 10 A

<b>B:</b> 120 V & 0.5 A			<b>D:</b> 240 V 8	& 20 A	
A. Ranking instructions:	Rank the	amount	s of resist	ance in ea	ch of the circuits' branches.
Ranking Order: Greatest	1	2	_ 3	4	Least
Or, each circuit's branch h	nas the sa	ame am	ount of re	sistance	(indicate with a check mark)
Carefully explain your reasoning for ranking this way:					
B. Ranking instructions: F	Rank the	amount	s of powe	r dissipate	ed by the resistances in the branches.
Ranking Order: Greatest			•	•	
Or, each branch's resistar	nce dissip	ates the	e same am	ount of p	ower (indicate with a check mark)
Carefully explain your rea	asoning fo	or rankiı	ng this wa	y:	