Astronomy Ranking Task: Ohm's Law

Exercise #1

A: 12 V & 6 Ω

Description: There are six circuits, labeled A – F, each with one battery and one resistor. The batteries and resistors have the voltages and resistances as indicated below.

C: 12 V & 2 Ω

B: $6 \vee \& 2 \Omega$

D: 6 V & 4 Ω	E: 12 V & 4 Ω	F: 6 V & 6 Ω
A. Ranking instructions: Rank th	ne amounts of current flowing t	hrough each of the circuits.
Ranking Order: Greatest 1	2 3 4 5	6 Least
Or, each circuit has the same ar	nount of current flowing throug	h it (indicate with a check mark)
Carefully explain your reasoning	g for ranking this way:	
B. Ranking instructions: Rank th	ne amounts of power dissipated	by the resistors.
Ranking Order: Greatest 1	2 3 4 5	6 Least
Or, each resistor dissipates the	same amount of power (in	ndicate with a check mark)
Carefully explain your reasonin	g for ranking this way:	