## Astronomy Ranking Task: Spectral Types

## Exercise #3

**Description:** The table below lists the spectral types and absolute magnitudes for six stars labeled P through U.

Star	M	Spectral Type
Р	-4	07
Q	-2	В0
R	12	В0
S	-4	F3
Т	4	F3
U	10	M0

A. Naliking instructions	. Nalik tii	ie tempei	atures	or the sta	13.		
Ranking Order: Hottest	1	2	_ 3	4	5	_ 6 _	Coolest
Or, there is not enough	informat	tion to de	etermine	e the tem	peratures.	•	_ (indicate with a check mark)
Carefully explain your r	easoning	g for rank	ing this	way:			
B. Ranking instructions	: Rank th	e actual e	energy o	outputs o	f the stars.		
Ranking Order: Least 1	2	2 3	3	4	5	6	Most
Or, there is not enough mark)	informat	tion to de	etermine	e the ene	rgy output	.s	(indicate with a check
Carefully explain your r	easoning	g for rank	ing this	way:			
_							
	-						

Ranking instructions: F	Rank the	sizes of tl	he stars.				
anking Order: Smallest	1	2	3	4	5	6	Largest
r, there is not enough in	formatio	n to dete	ermine th	e sizes. <sub>-</sub>	(ind	icate with	a check mark)
arefully explain your reasoning for ranking this way:							