

Astronomy Ranking Task: Spectral Types

Exercise #2

Description: The table below lists the spectral types for five main sequence stars labeled V through Z.

Star	V	W	X	Y	Z
Spectral Type	B7	F0	A9	G5	F1

A. Ranking instructions: Rank the temperatures of the stars.

Ranking Order: Hottest 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ Coolest

Or, there is not enough information to determine the temperatures. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

B. Ranking instructions: Rank the actual energy outputs of the stars.

Ranking Order: Least 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ Most

Or, there is not enough information to determine the energy outputs. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

C. Ranking instructions: Rank the sizes of the stars.

Ranking Order: Smallest 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ Largest

Or, there is not enough information to determine the sizes. ____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

D. Ranking instructions: Rank the masses of the stars.

Ranking Order: Lowest 1 ____ 2 ____ 3 ____ 4 ____ 5 ____ Highest

Or, there is not enough information to determine the masses. ____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:
