Astronomy Ranking Task:
Star Evolution

Exercise #3

Description: The list below provides various stages of star formation and evolution for low mass stars *(<8 M_{Solar})* and high mass stars *(>8M_{Solar})*.

A Planetary Nebula
B G Spectral Class Main Sequence Star
C Neutron Star
D Supernova Type II
E Nothing
F Giant
G O Spectral Class Main Sequence Star
H Molecular Cloud of Gas and Dust
I White Dwarf
J Black Hole
K Supernova Type I
L Nova
M Gravity Collapse of Gas/Dust Cloud

A) Ranking Instructions: Rank, from earliest to latest, the stages for a low mass stars without a companion. Do not include any stages that do not apply.

Ranking Order:

Earliest Latest

Information is insufficient to rank stages: _____ (indicate with check mark).

Carefully explain your reasoning for ranking this way:

_____
_____
_____

B) Ranking Instructions: Rank, from earliest to latest, the stages for a low mass stars with a companion. Do not include any stages that do not apply.

Ranking Order:

Earliest Latest

Information is insufficient to rank stages: _____ (indicate with check mark).

Carefully explain your reasoning for ranking this way:

_____
_____
_____

C) Ranking Instructions: Rank, from earliest to latest, the stages for the least massive of the high mass stars. Do not include any stages that do not apply.

Ranking Order:

Earliest Latest

Information is insufficient to rank stages: _____ (indicate with check mark).

Carefully explain your reasoning for ranking this way:

_____
_____
_____

D) Ranking Instructions: Rank, from earliest to latest, the stages for the most massive of the high mass stars. Do not include any stages that do not apply.

Ranking Order:

Earliest Latest

Information is insufficient to rank stages: _____ (indicate with check mark).

Carefully explain your reasoning for ranking this way:

_____
_____
_____