

Astronomy Ranking Task: Size & Scale

Exercise #4

Description: Consider the list of different astronomical objects provided below (A-G).

- A. Jupiter
- B. Globular Cluster
- C. Spiral Galaxy
- D. Neutron star
- E. White dwarf
- F. Black Hole
- G. Galaxy Cluster

A. Ranking instructions: Assuming that the black hole (F) is a stellar mass black hole, rank the mass (from largest to smallest) of the different objects (A-G).

Ranking Order:

Largest 1 ____ 2 ____ 3 ____ 4 ____ 5 ____ 6 ____ 7 ____ Smallest

Or, all the objects have the same mass. ____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

B. Ranking instructions: Assuming that the black hole (F) is a supermassive black hole, rank the mass (from largest to smallest) of the different objects (A-G).

Ranking Order:

Largest 1 ____ 2 ____ 3 ____ 4 ____ 5 ____ 6 ____ 7 ____ Smallest

Or, all the objects have the same mass. ____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:
