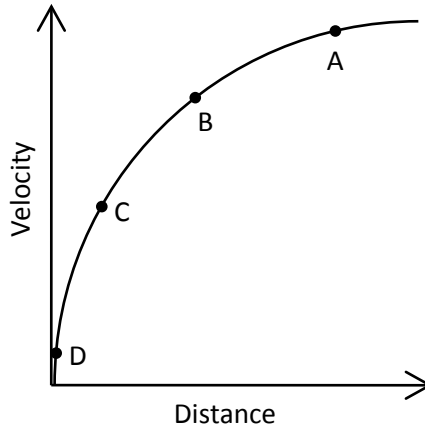# Astronomy Ranking Task:
Hubble's Law

Exercise #5

Description: A Hubble plot is shown with dots marking four positions on the curve (A, B, C, & D).

A. Ranking instructions: Rank the speeds at each of the points.

Ranking Order: Slowest   1 _____   2 _____   3 _____   4 _____   Fastest

Or, all points indicate the same speed. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

_____

_____

_____

_____

_____

B. Ranking instructions: Rank the distances at each of the points.

Ranking Order: Closest   1 _____   2 _____   3 _____   4 _____   Farthest

Or, all points indicate the same distance. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

_____

_____

_____

_____

_____

C. Ranking instructions: Rank the slopes of the graph at each of the points.

Ranking Order: Shallowest   1 _____   2 _____   3 _____   4 _____   Steepest

Or, the slope of the graph at each point is the same. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

_____

_____

_____

_____

_____

D. Ranking instructions: Rank the expansion rates at each of the points.

Ranking Order: Slowest   1 _____   2 _____   3 _____   4 _____   Fastest

Or, all points indicate the same expansion rate. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

_____

_____

_____

_____

_____

E. Ranking instructions: Rank the times in the universe at each of the points.

Ranking Order: Earliest   1 _____   2 _____   3 _____   4 _____   Latest

Or, all points indicate the same moment in time. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

_____

_____

_____

_____

_____

F. Does this Hubble plot accurately represent the behavior of our universe? Explain your reasoning.

<p style="text-align: center">Yes   No</p>