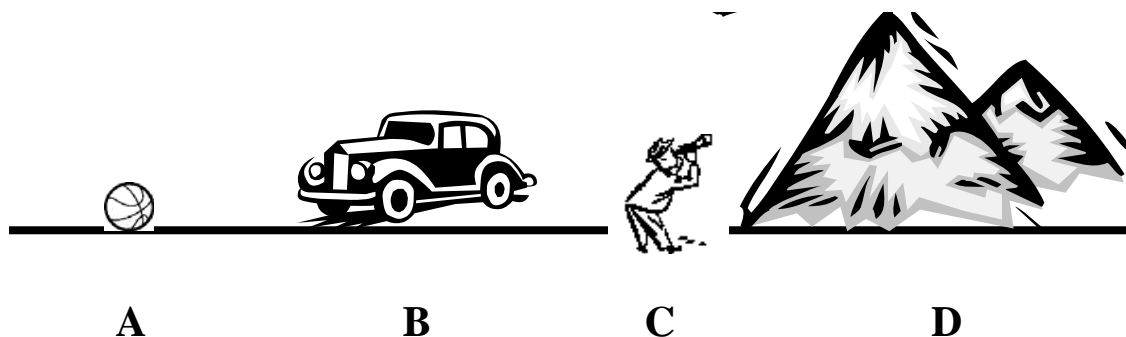


Astronomy Ranking Task: Gravity

Exercise #1

Description: The figure below shows several objects (A – D) of different masses located on the surface of the earth.



A. Ranking Instructions: Rank (from greatest to least) the strength of the gravitational force exerted by Earth on each of the objects (A – D).

Ranking Order: Greatest 1 _____ 2 _____ 3 _____ 4 _____ Least

Or, the gravitational force exerted on each object is the same. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

B. Ranking Instructions: Rank (from greatest to least) the strength of the gravitational force exerted by each object A – D on the Earth.

Ranking Order: Greatest 1 _____ 2 _____ 3 _____ 4 _____ Least

Or, the gravitational force exerted by each object is the same. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:
