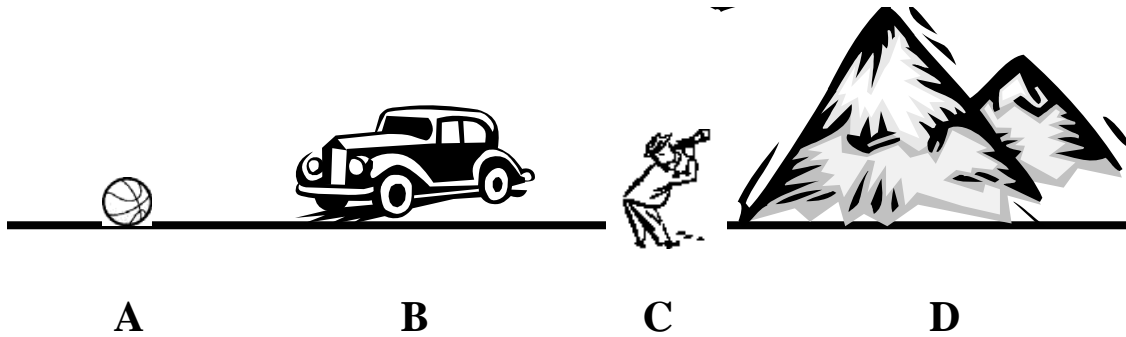


# Astronomy Ranking Task: Gravity

## 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:

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**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:

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