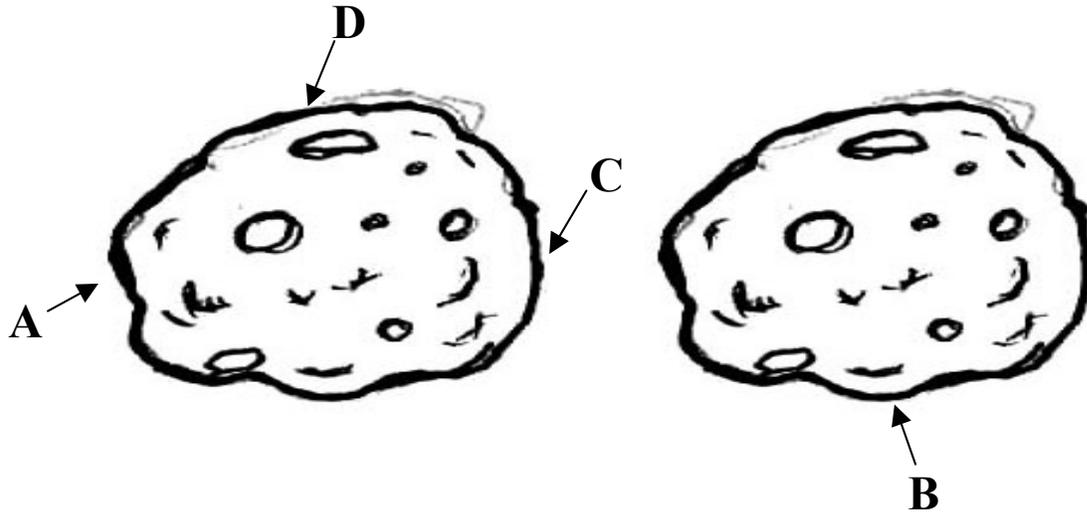


Astronomy Ranking Task: Gravity

Exercise #7

Description: The figure below shows two identical asteroids located very near one another but moving in an orbit that keeps them from colliding.



Ranking Instructions: Rank (from greatest to least) the net (or total) gravitational force that would be exerted on an astronaut if he/she were standing on the asteroids at the various locations (A – D).

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

Or, the net force exerted on the astronaut would be the same at each location. _____
(indicate with a check mark)

Carefully explain your reasoning for ranking this way:
