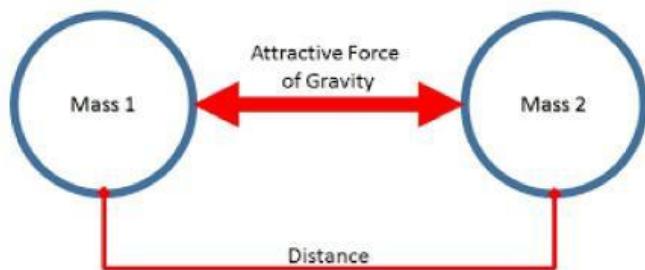


Answer the following questions about each scenario:



Both masses are putting a force on each other.

Both masses are putting the same amount of force on each other.

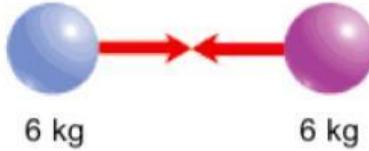
Mass 1 is putting more force on Mass 2 than Mass 2 is putting on Mass 1.

A



Which set of masses would have the greatest gravitational pull between them?

B

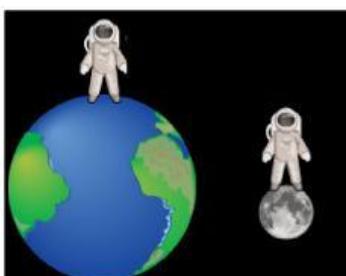


Which set of masses would have the least gravitational pull between them?

C

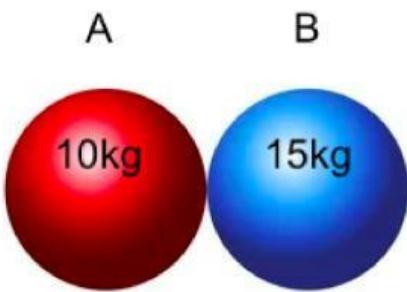


How would the gravitational pull of set A compare to the gravitational pull of set B?



The astronaut would have weight would be , and his weight would be on the Earth & moon.

The gravitational pull on the moon is less than the gravitational pull on the Earth because the moon is smaller than the Earth.



A

B

MARK EACH STATEMENT AS TRUE OR FALSE:

Mass B is putting more force on A than Mass A is putting on B.

To increase the gravity between them, you could increase the distance between them.

If you increased the mass of Mass A only to 20kg, both spheres would put more gravitational pull on each other.

Answer each of the following about the masses above:

Separating the masses would ____.	
Increasing the mass of only one sphere would ____.	
Doubling the mass of both spheres would ____.	
Doubling the distance between the masses would ____.	
Decreasing the mass of both spheres would ____.	