

1. Fill in the gaps:

Gravity is a force of _____, or pull, between any _____ objects.

An **orbit** is a _____ one object takes _____ another object.

Inertia is the tendency of a _____ object to keep moving in a _____ line.

2. Choose a / b / c:

1. The strength of the pull of gravity is affected by:
 - a) the total mass of the two objects and by the distances between the objects.
 - b) the total mass of the two objects only.
 - c) the distances between the objects.
2. The strength of the pull of gravity:
 - a) decreases when the total mass of the two objects decreases and when the objects are closer to one another.
 - b) increases when the total mass of the two objects decreases and when the objects are farther apart.
 - c) decreases when the total mass of the two objects decreases and when the objects are farther apart.
3. The pull of gravity between you and Earth is:
 - a) weaker than the pull between you and the Moon.
 - b) stronger than the pull between you and the Moon.
 - c) The same as the pull between you and the Moon.
4. The pull of gravity between Earth and the Sun acts across about:
 - a) 15 million kilometers of space.
 - b) 150 million kilometers of space.
 - c) 1500 million kilometers of space.
5. If gravity was the only force acting on a planet:
 - a) the planet would be pulled into the Sun.
 - b) the planet would be pushed away from the Sun.
 - c) the planet would go around the Sun.
6. A nearly circular orbit is called:
 - a) an oval.
 - b) a square.
 - c) an *ellipse*.