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.*

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