

Question 1

A plastic rod is rubbed and touched to a small metal ball. After this the rod is observed to repel the ball.

Which of the following is correct?

1. The force exerted by the rod on the ball is a contact force.
2. The force exerted by the rod on the ball is a gravitational force.
3. The force exerted by the rod on the ball is not a gravitational force since only Earth can exert gravitational forces.
4. The force exerted by the rod on the ball is not a gravitational force since it is repulsive.