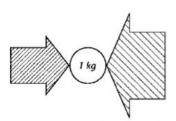
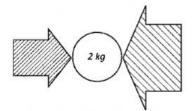
Chapter Ten Test

Multiple Choice

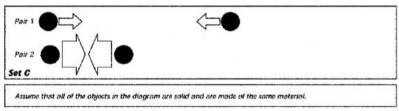
Identify the letter of the choice that best completes the statement or answers the question.

Forces on Two Objects

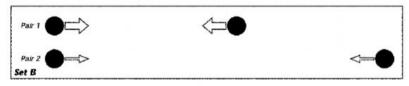




- 1. The width of each arrow indicates
 - a. that the force is balanced.
 - b. the size of the force.
 - c. how sharply the forces push on the ball.
 - d. the direction of the force.
- 2. Compare the acceleration of the 1-kg object with that of the 2-kg object.
 - a. the acceleration of both objects will be the same.
 - b. the 1-kg object will have twice the acceleration of the 2-kg object.
 - c. the 1-kg object will have less acceleration than the 2-kg object.
 - d. neither object will accelerate.
- 3. In what direction is the net force acting on the 1-kg object?
 - a. the forces are balanced.
 - b. to the right.
 - c. upward.
 - d. to the left.



- 4. In Set C, the difference in the magnitudes of the gravitational forces between the two pairs of objects is because
 - a. There is no difference between in the forces between Pair 1 and 2.
 - b. Pair 1 and 2 have the same mass, but Pair 2 is closer, so they exert more gravity on each other.
 - c. Pair 2 has more mass then Pair 1
 - d. Pair 1 represents planets with no atmosphere.



- 5. In Set B, the difference in the magnitudes of the gravitational forces between the two pairs of objects is because
 - a. Pair 2 has less mass then Pair 1
 - b. Pair 1 and 2 have the same mass, but Pair 1 is closer, so they exert more gravity on each other.
 - c. Pair 1 represents planets with an atmosphere
 - d. There is no difference in the forces between Pair 1 and 2.

