**Pre-Activity Assessment Worksheet Answer Key**

1. Which of the following correctly defines momentum?
   1. Mass in motion
   2. Product of a body’s mass and velocity
   3. How difficult it is to stop a body
   4. All of these are correct
2. If all of these objects move at the same speed, which one would have the greatest momentum?
   1. Soccer ball
   2. Bowling ball
   3. Baseball
   4. Basketball
3. The momentum of an object depends upon the object’s \_\_\_\_\_?
   1. Size and shape
   2. Mass and velocity
   3. Mass and speed
   4. Mass and energy
4. The equation to calculate momentum is:
   1. p = mv
   2. P = mgh
   3. P = 12mv2
   4. P = mg
5. Momentum is \_\_\_\_\_ quantity.
   1. Science
   2. Vector
   3. Scalar
   4. Energy