

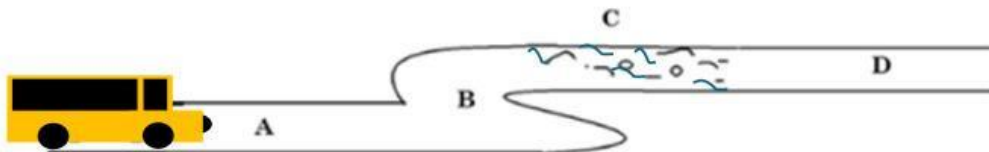
Q4-A7: MOMENTUM & IMPULSE: Conceptual analysis

NAME: _____
SECTION: _____

Score:

Direction: Click the space provided to choose the best answer that *makes the statement correct*.

1. An object which is moving at a constant speed has .
2. Two objects of different masses are moving at the same speed; the object will have a greater momentum.
3. A less massive object have same momentum as slow massive object.
4. Two different objects are moving at the same speed. The object is more difficult to stop.
5. An object with changing speed will have momentum.
6. Objects involved in collisions encounter .
7. Impulse is the force needed to produce in the body's momentum through a combination of changes in its mass and/or velocity.
8. An object which experiences a net impulse will experience momentum.
9. In a collision, the impulse experienced by an object is to its momentum change.
10. Two cars with the same mass collided but they have different velocities. Car B travels faster than Car A. Therefore, Car A has momentum change than Car B.
11. If any object of any mass is not moving, it has zero momentum since its velocity is .
12. There is no impulse or zero impulse for objects moving with momentum.
13. Two marbles of equal mass are rolling towards each other. One is rolling at 5 m/sec and the other at 10 m/sec. The one rolling faster has a momentum and impulse. It will surely knock the other one backwards.



14. Suppose a school bus is travelling along a concrete road (A), curvy road (B), rough road (C) and cemented road (D). There is impulse when driving along point C.