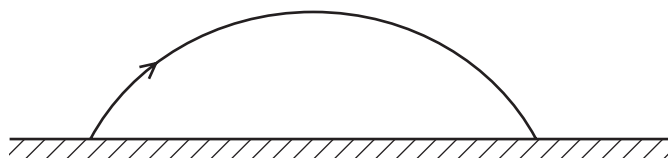


- 7 Which statement about Newton's laws of motion is correct?
- A The first law follows from the second law.
  - B The third law follows from the second law.
  - C Conservation of energy is a consequence of the third law.
  - D Conservation of linear momentum is a consequence of the first law.

- 8 The diagram shows the path of a golf ball.



Which row describes changes in the horizontal and vertical components of the golf ball's velocity, when air resistance forces are ignored?

	horizontal	vertical
A	constant deceleration	constant acceleration downwards
B	constant deceleration	acceleration decreases upwards then increases downwards
C	constant velocity	constant acceleration downwards
D	constant velocity	acceleration decreases upwards then increases downwards

**Space for working**