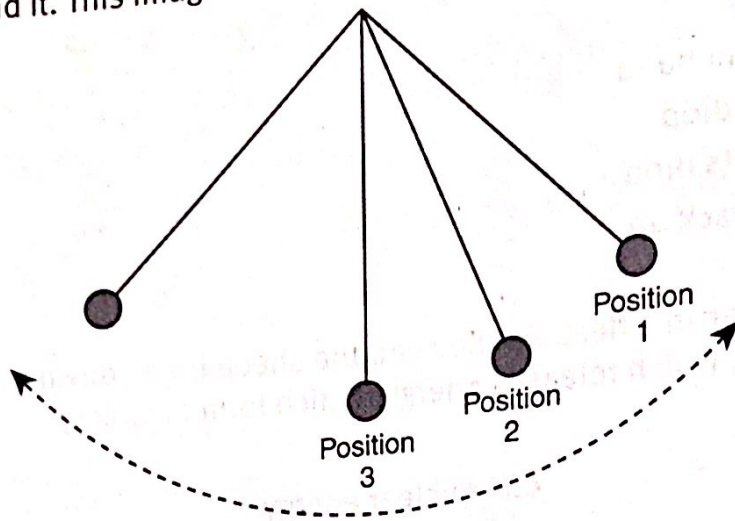




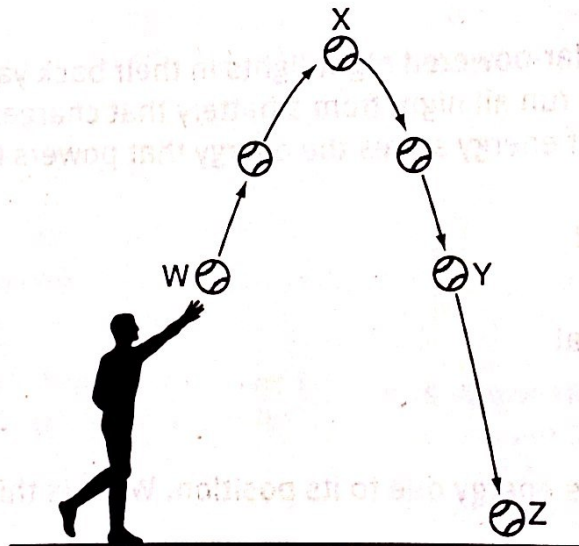
# ISTEP+ Review

- 6 When a pendulum is released, it swings back and forth. It continues moving without any additional push until it is slowed by friction from the air around it. This image shows positions of a pendulum during its swing.



At which point does the pendulum weight have the GREATEST amount of mechanical energy?

- A. Position 1
  - B. Position 2
  - C. Position 3
  - D. Mechanical energy does not change.
- 7 The illustration below shows the path of a ball when thrown into the air.



What energy does the ball have at the point labeled Y?

- A. kinetic energy only
- B. potential energy only
- C. kinetic energy and elastic potential energy
- D. kinetic energy and gravitational potential energy