9 A stone is attached to a string. The stone is then caused to swing in a vertical circular motion at a constant speed.

Which of the following statements is **incorrect**?

A The magnitude of resultant force acting on the stone is constant throughout the circular motion.

B The acceleration is always directed towards the centre of the circle throughout the circular motion.

C The kinetic energy of the stone is constant throughout the circular motion.

D The tension in the string when the stone is at the highest point of the circular motion is higher than that when the stone is at the lowest point.

10 Two points P and Q are located a fixed distance apart on a straight line joining them to an object