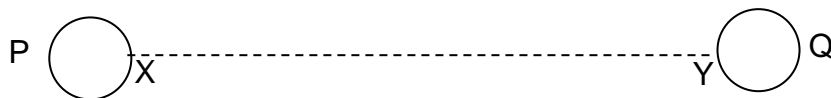
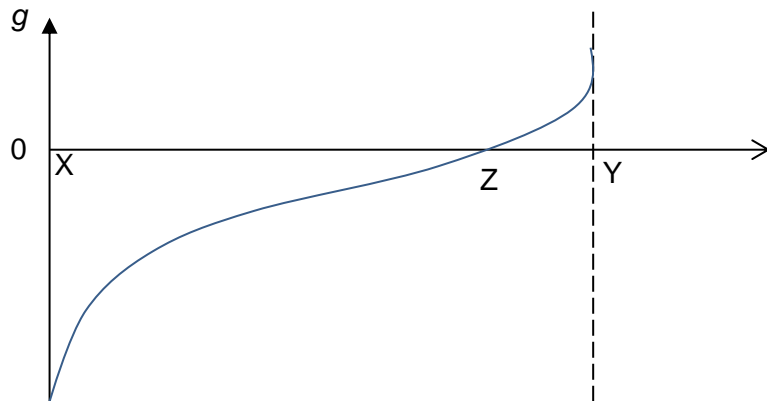


- 11 The diagram below shows the relative positions of two massive bodies, P and Q. The sizes of P and Q are not drawn to scale.



The line XY joins the surface of P to the surface of Q and the graph below represents the variation of gravitational field strength g along the line XY.



Which of the following statements is correct?

- A The gravitational potential is zero at point Z.
- B The mass of Q is greater than the mass of P.
- C The gravitational field strength due to P is repulsive but that due to Q is attractive.
- D The magnitude of gravitational force on a test mass due to P is equal to that due to Q at point Z.