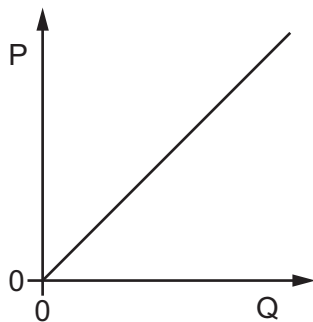


- 8 The graph shows how quantity P varies with quantity Q for an object falling in air for a long time in a uniform gravitational field.



What could be the identities of P and Q?

	P	Q
A	force of air resistance	acceleration
B	kinetic energy	time
C	potential energy	height
D	work done against air resistance	speed

- 9 A body P of mass 1.0×10^{27} kg is held at a distance of 1.0×10^8 m from the centre of a planet Q. The planet Q has a mass of 1.0×10^{30} kg. The gravitational field strength at the surface of planet Q is 10 N kg^{-1} .