

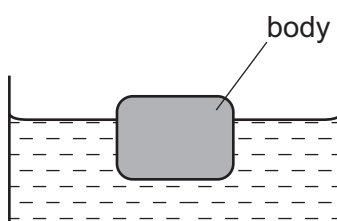
15 A lorry of mass 20 000 kg has a constant resultant force F acting on it.

It accelerates from 6.0 m s^{-1} to 30.0 m s^{-1} in a time of 300 s.

What is the change in momentum of the lorry and the value of F ?

	change in momentum / N s	force F / N
A	48 000	160
B	480 000	1600
C	600 000	2000
D	600 000	20 000

16 A stationary body floats in water.



Which statement about the forces acting on the body is correct?

- A** The gravitational force is equal to the viscous force.
- B** The gravitational force is greater than the upthrust.
- C** The upthrust is zero.
- D** The viscous force is zero.

Space for working