

- 8 A metal ball of weight W is falling vertically with constant speed in oil. The upthrust on the ball is U .

When the speed of the ball is v , the viscous force acting on the ball is kv , where k is a constant.

Which equation is correct?

- A $W = -U$
- B $W = -U + kv$
- C $W = U - kv$
- D $W = U + kv$