

- 4 A ball of mass m is projected vertically upwards. An air resistance F acts on the ball at all times.

Which of the following equations would apply to the ball as it is travelling upwards?

- ☐ A $mg - F = 0$
- ☐ B $mg + F = 0$
- ☐ C $mg - F = ma$
- ☐ D $mg + F = ma$

(Total for Question 4 = 1 mark)