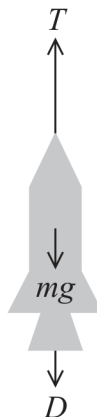


- 10 The diagram shows a rocket of mass m accelerating upwards with acceleration a . The diagram represents the forces acting on the rocket.

Diagram not
to scale



Which of the following equations gives the value of D ?

- ☐ A $D = T + m(g - a)$
- ☐ B $D = T + m(a + g)$
- ☐ C $D = T - m(g - a)$
- ☐ D $D = T - m(g + a)$