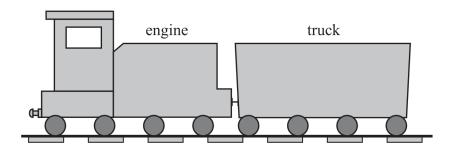
18 A railway engine is pushing a truck along horizontal rails at a constant velocity, as shown.



The engine exerts a forward force of 1.2×10^5 N on the truck. The engine also exerts a net backwards force of 1.5×10^5 N on the rails.

(a) Complete the free-body force diagram to show all the forces acting on the engine.

(4)

