

Forces Answers

What are forces?

① (a) Speed, forces can cause a change in speed but speed is not itself a force. You can tell by the units; ms^{-1} not N (newtons).

(b) Mass, clearly not a force, units of kg.

(c) Pressure, this is force per unit area. Units Nm^{-2} .

② Reduced, air resistance acts against the direction of travel reducing acceleration/speed.

③ Gravity

④ Yes, but these forces are perfectly balanced in every direction.

⑤ Equal and opposite