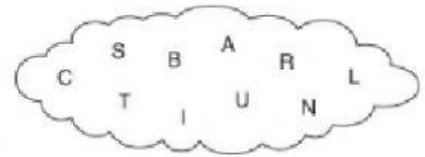


- 1 Tick the boxes to show when friction is useful and when it is not useful.

	Useful	Not useful
a Friction between your shoes and the floor.	☐	☐
b Friction between the tyres of a bicycle and the road.	☐	☐
c Friction in the axle of a bicycle wheel.	☐	☐
d Friction between skis and the snow.	☐	☐
e Friction between brake pads and a bicycle wheel.	☐	☐

- 2 Oil and grease are _____ that help to reduce friction.



- 3 Friction can be increased or decreased. Tick the boxes to show how each change will affect the friction.

	Increase friction	Decrease friction
a Using a special rubber for climbing shoes.	☐	☐
b Rubbing smooth wax onto the bottom of downhill skis.	☐	☐
c Oiling the axles of a bicycle.	☐	☐
d Getting a bicycle's brakes wet.	☐	☐
e Polishing a playground slide to make the surface smoother.	☐	☐

- 4 Friction produces _____ and _____ and can _____ things away.

