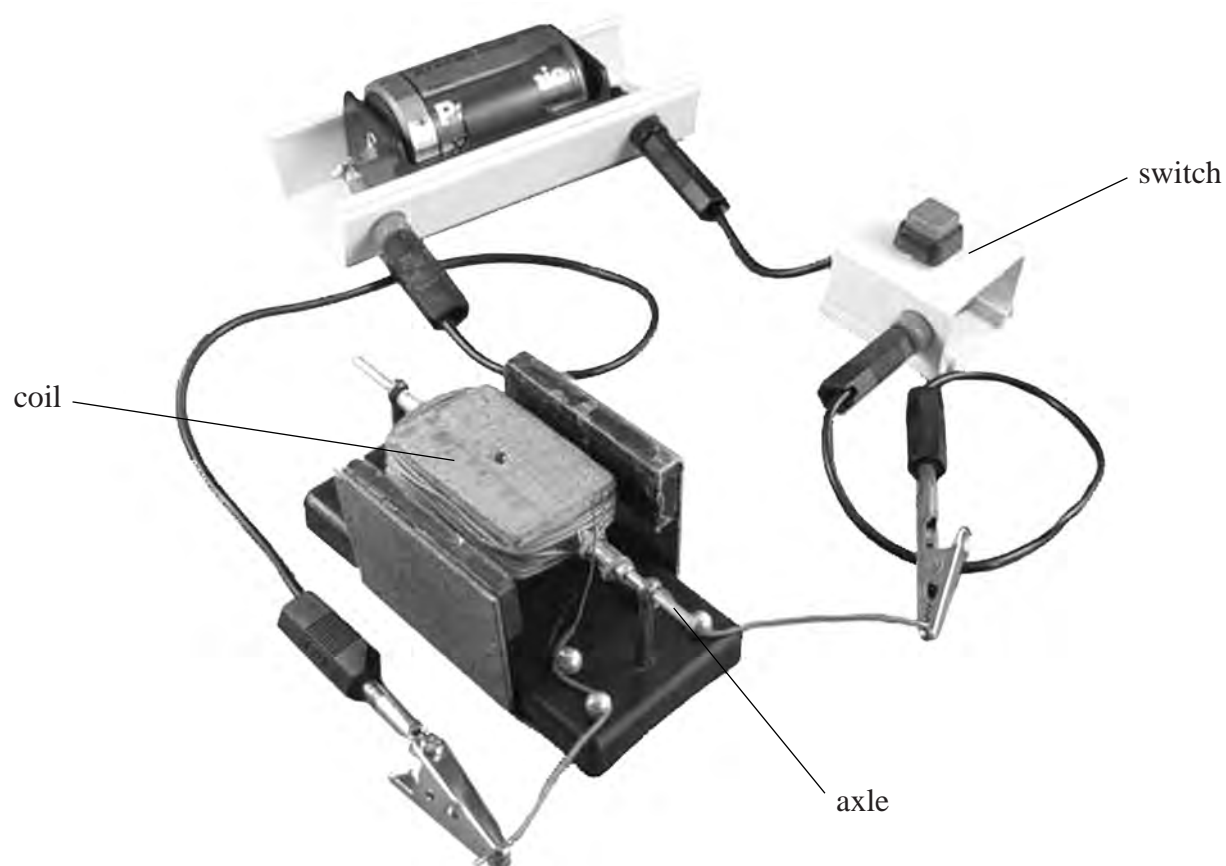


- 4 Some students are investigating a simple electric motor.



- (a) When the switch is closed the coil spins on the axle.

State why.

(2)

.....

.....

.....

.....

- (b) State **two** changes that would make the motor spin faster.

(2)

1 .....

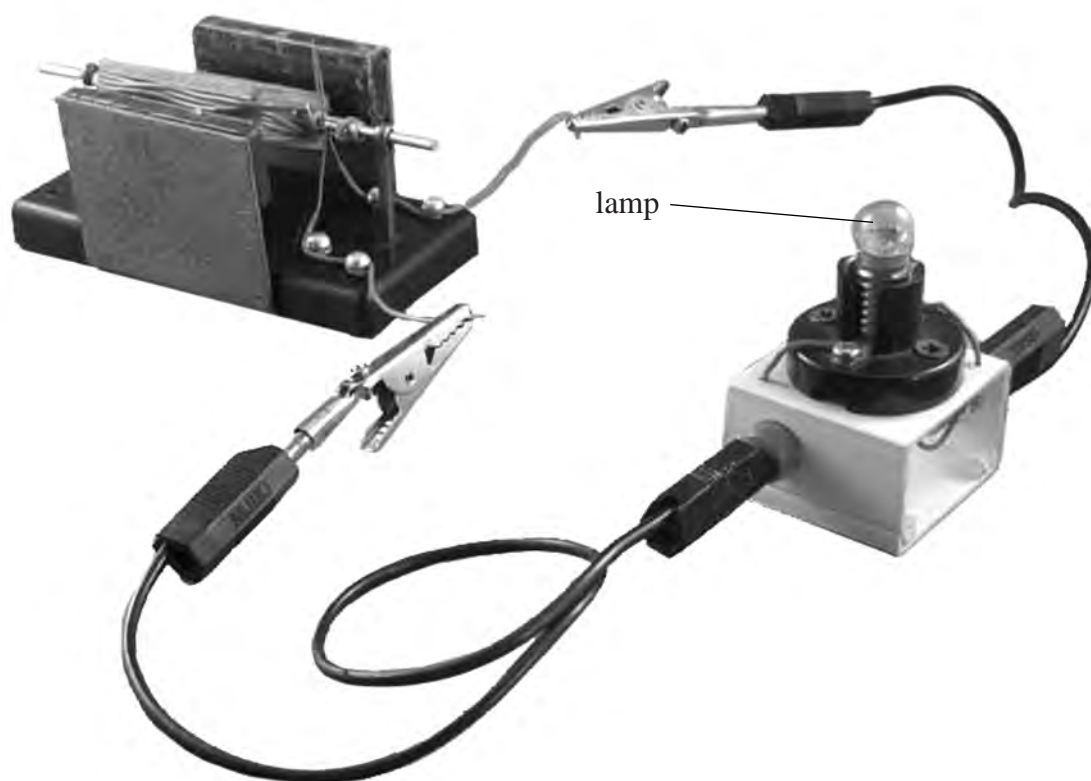
.....

2 .....

.....



(c) The students change their circuit, replacing the cell and switch with a lamp.



When they spin the coil by hand, the lamp lights.

Explain why the lamp lights.

(2)

(Total for Question 4 = 6 marks)

