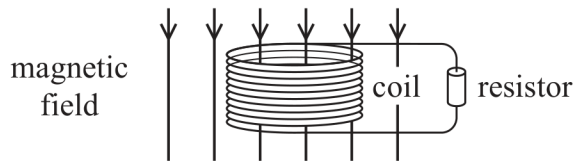


- 6 A coil of wire is connected to a resistor as shown.



The magnetic flux density of the field through the coil is increased steadily from zero to a maximum value.

Which of the following single changes would result in a smaller current in the resistor?

- ☐ A increasing the area of the coil in the magnetic field
- ☐ B increasing the maximum flux density
- ☐ C increasing the number of turns on the coil
- ☐ D increasing the time taken to reach the maximum flux density

(Total for Question 6 = 1 mark)