

Combined science - Physics

Key stage 4 - Magnetism

# **The Motor Effect (HT only)**

Mr van Hoek



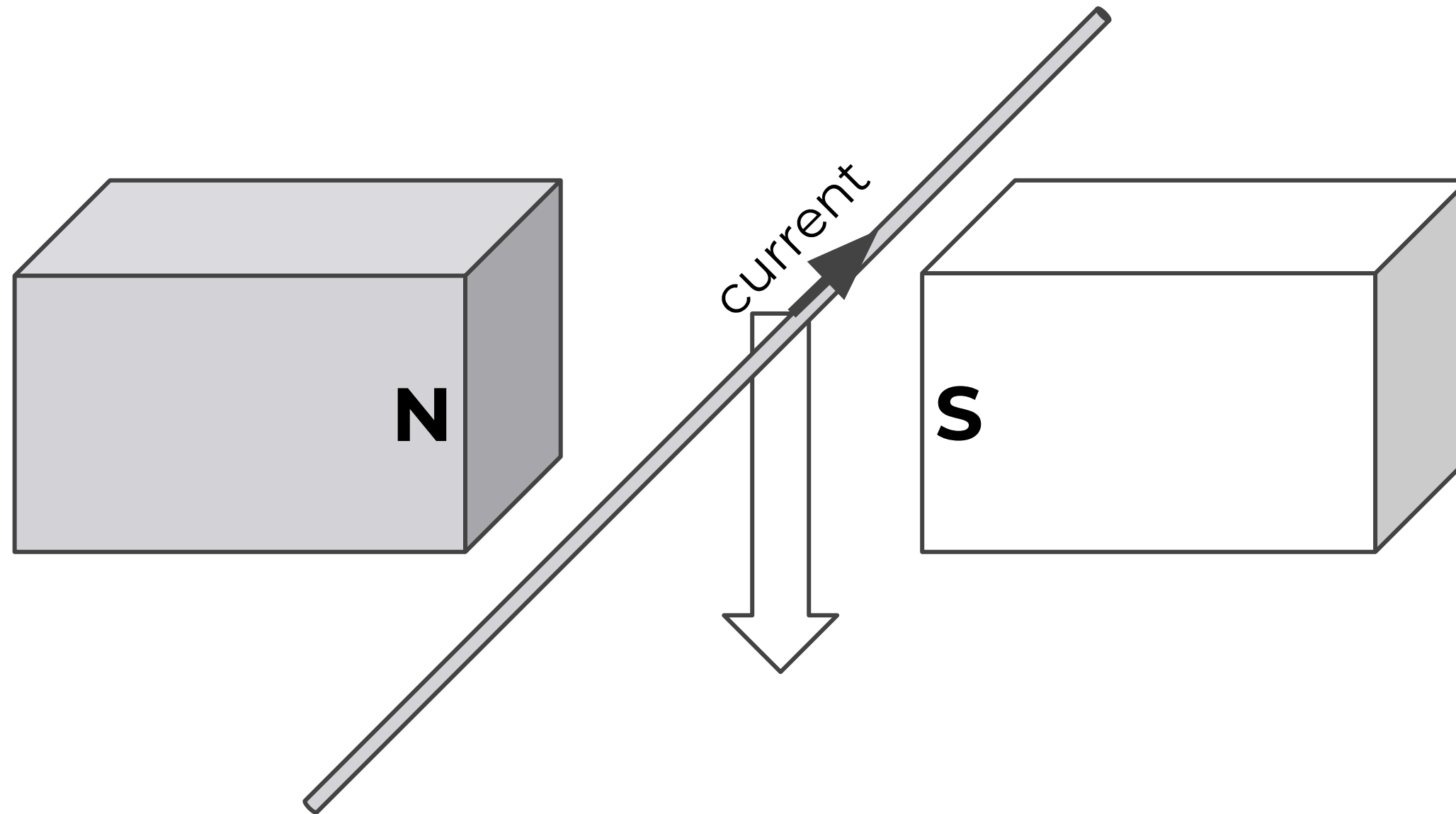
# The Motor Effect

1. Magnetic Field + Electric Current → \_\_\_\_\_
2. The wire moves because the interaction between the magnetic field and the electric current produces a \_\_\_\_\_
3. This force always acts **parallel / at right angles / diagonally** to the magnetic field lines and flow of electric current.
4. State two ways of increasing the effect you have observed.



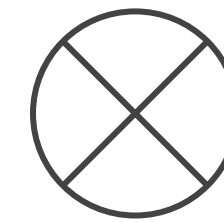
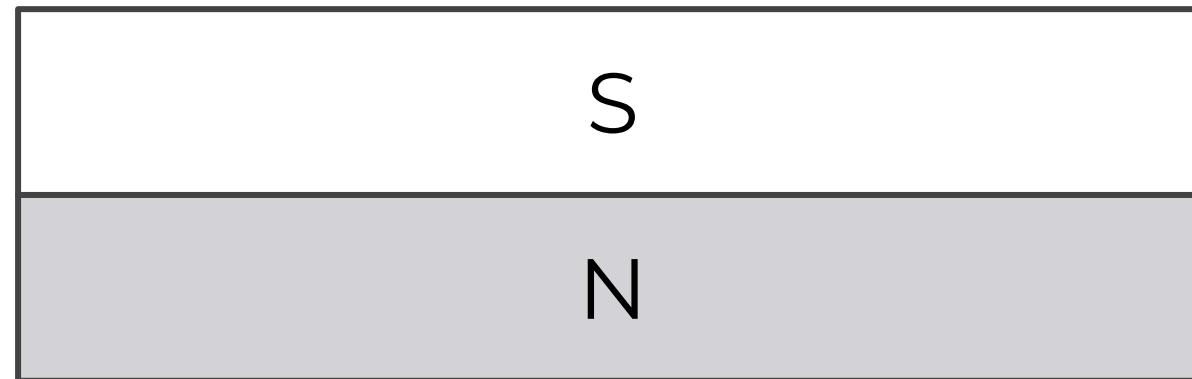
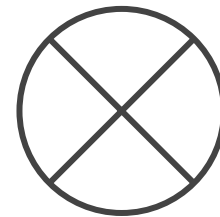
# Which way does the force act?

## I Do

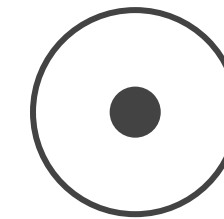


# Which way does the force act?

I Do



current **into** the page

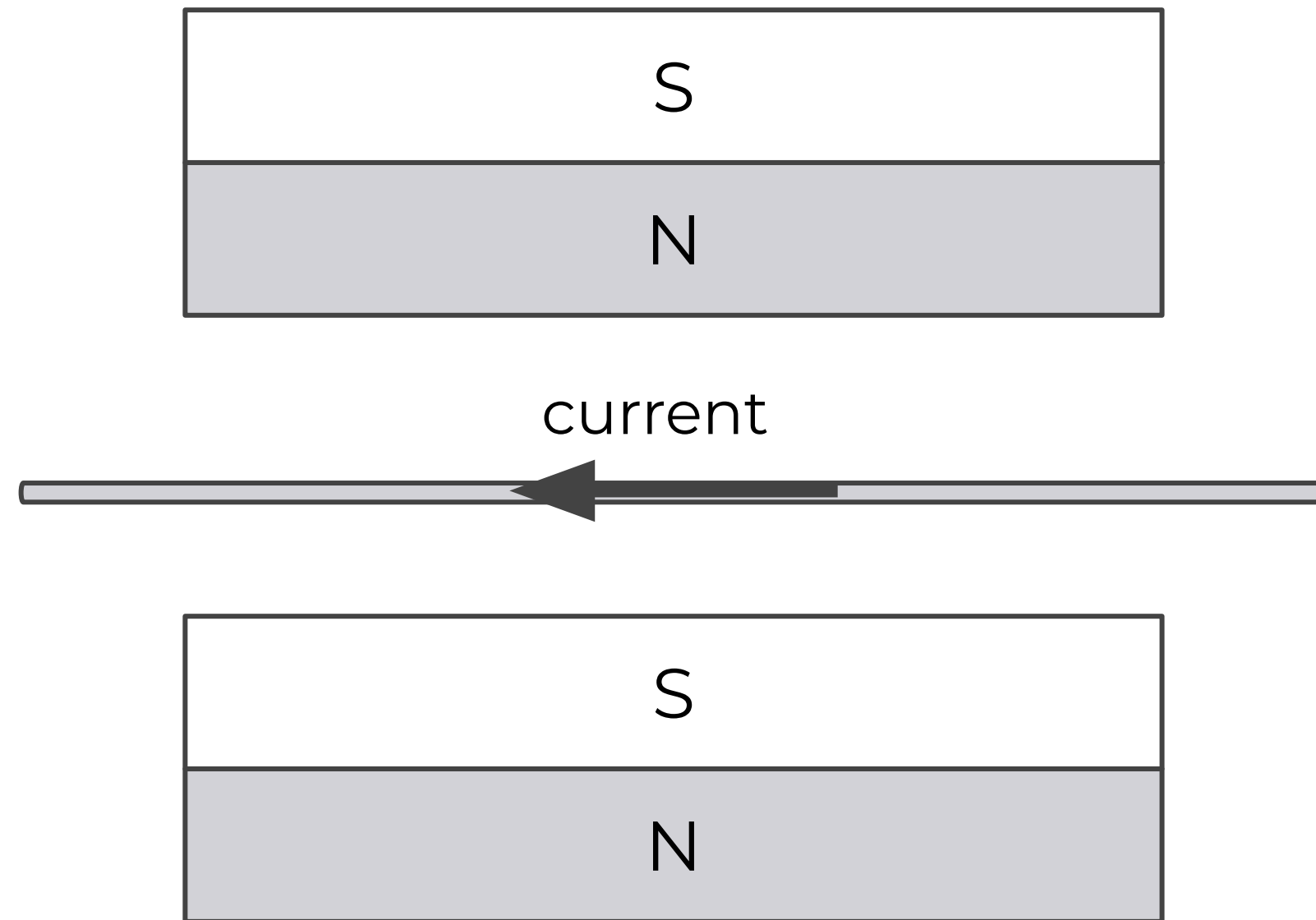


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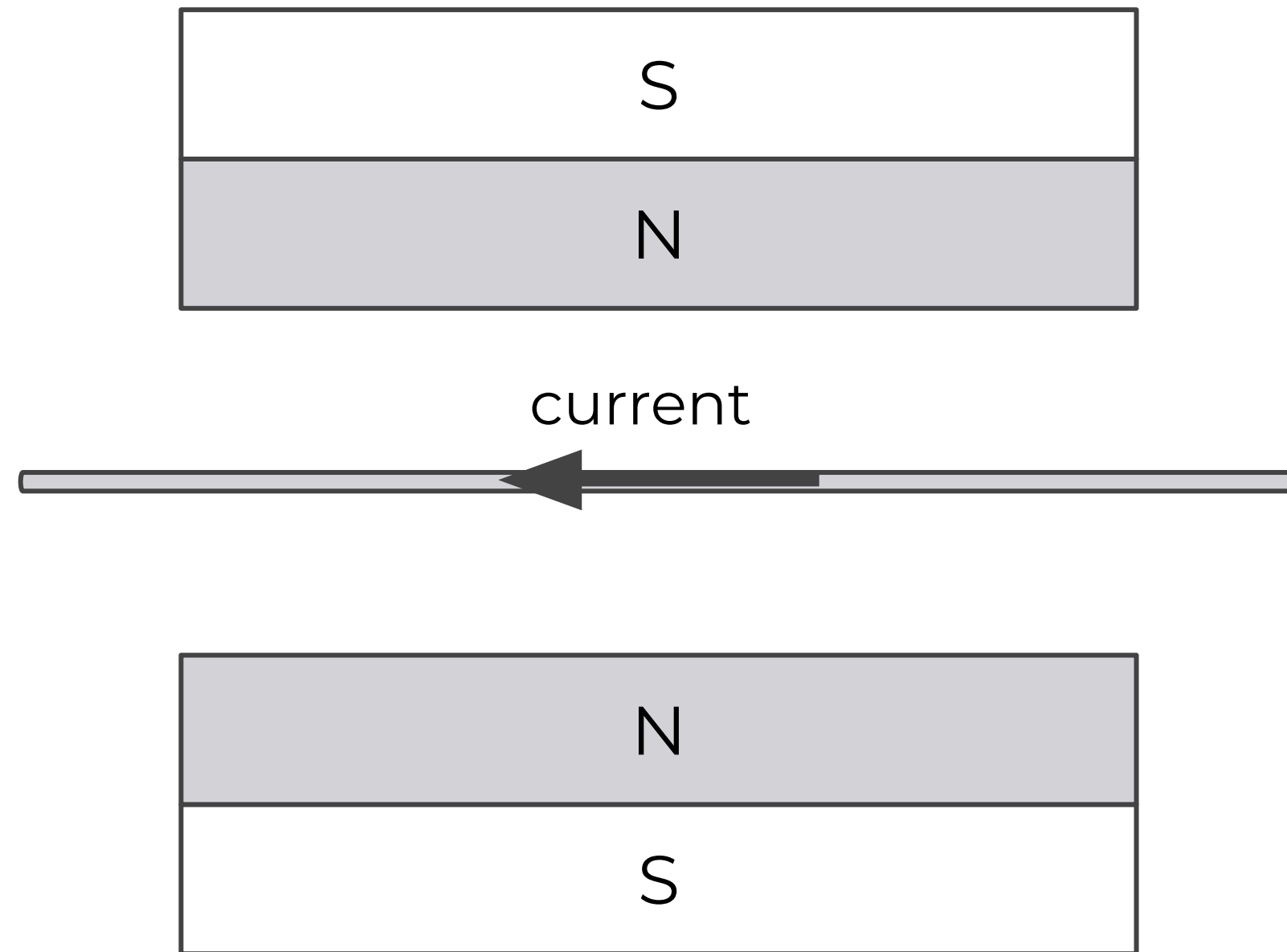
# Which way does the force act?

## We Do



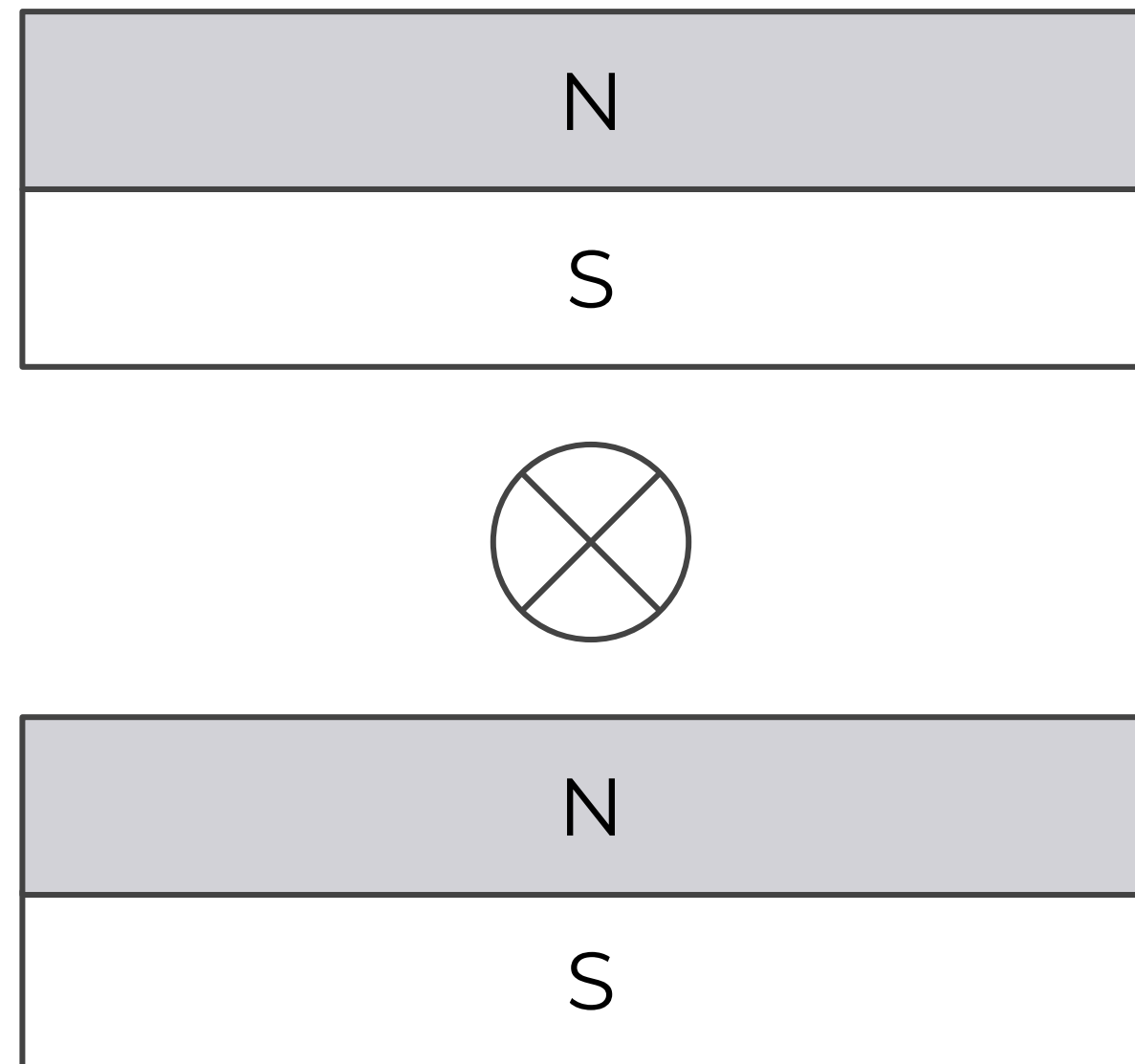
# Which way does the force act?

## We Do



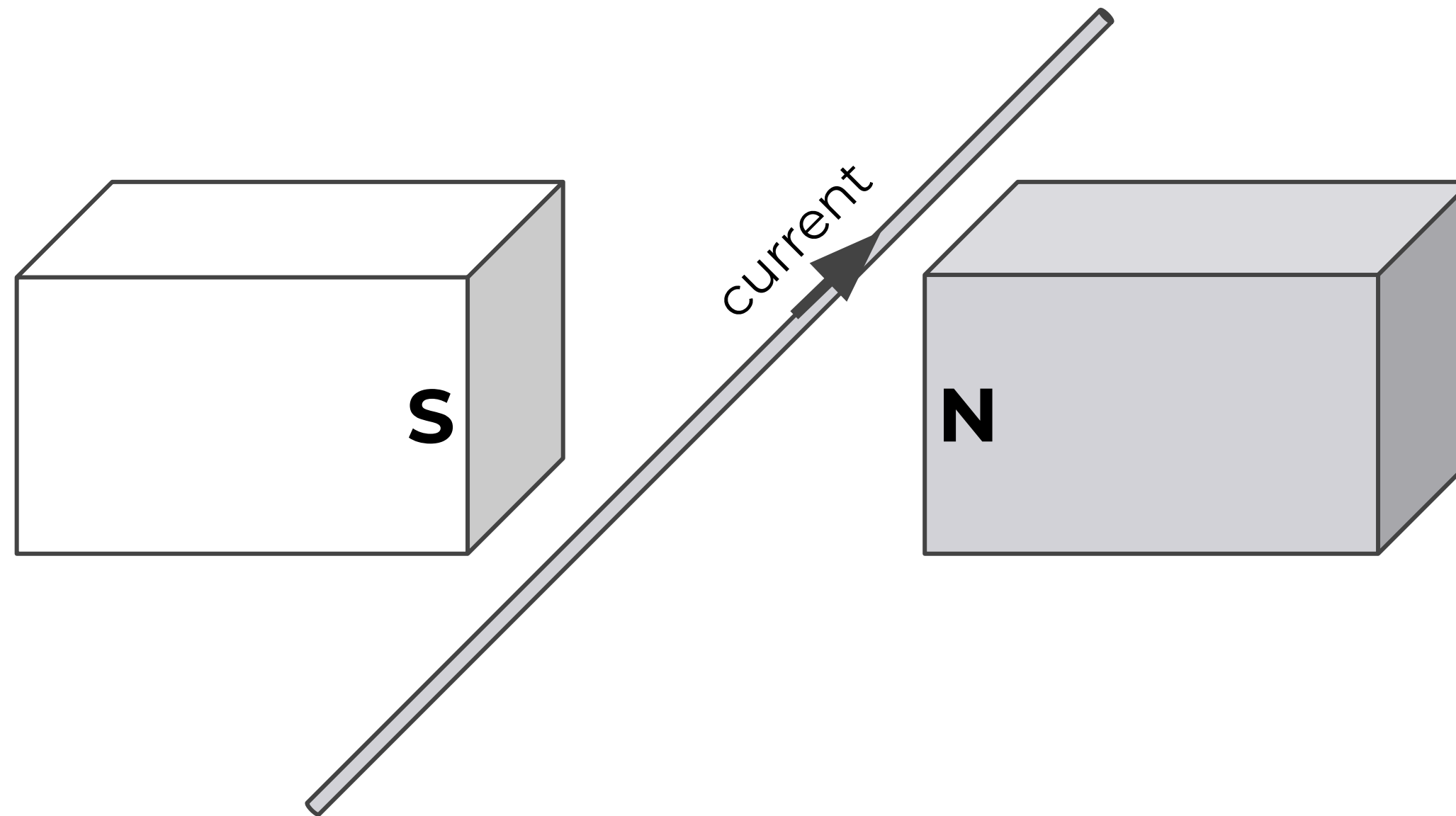
# Which way does the force act?

## We Do



# Which way does the force act?

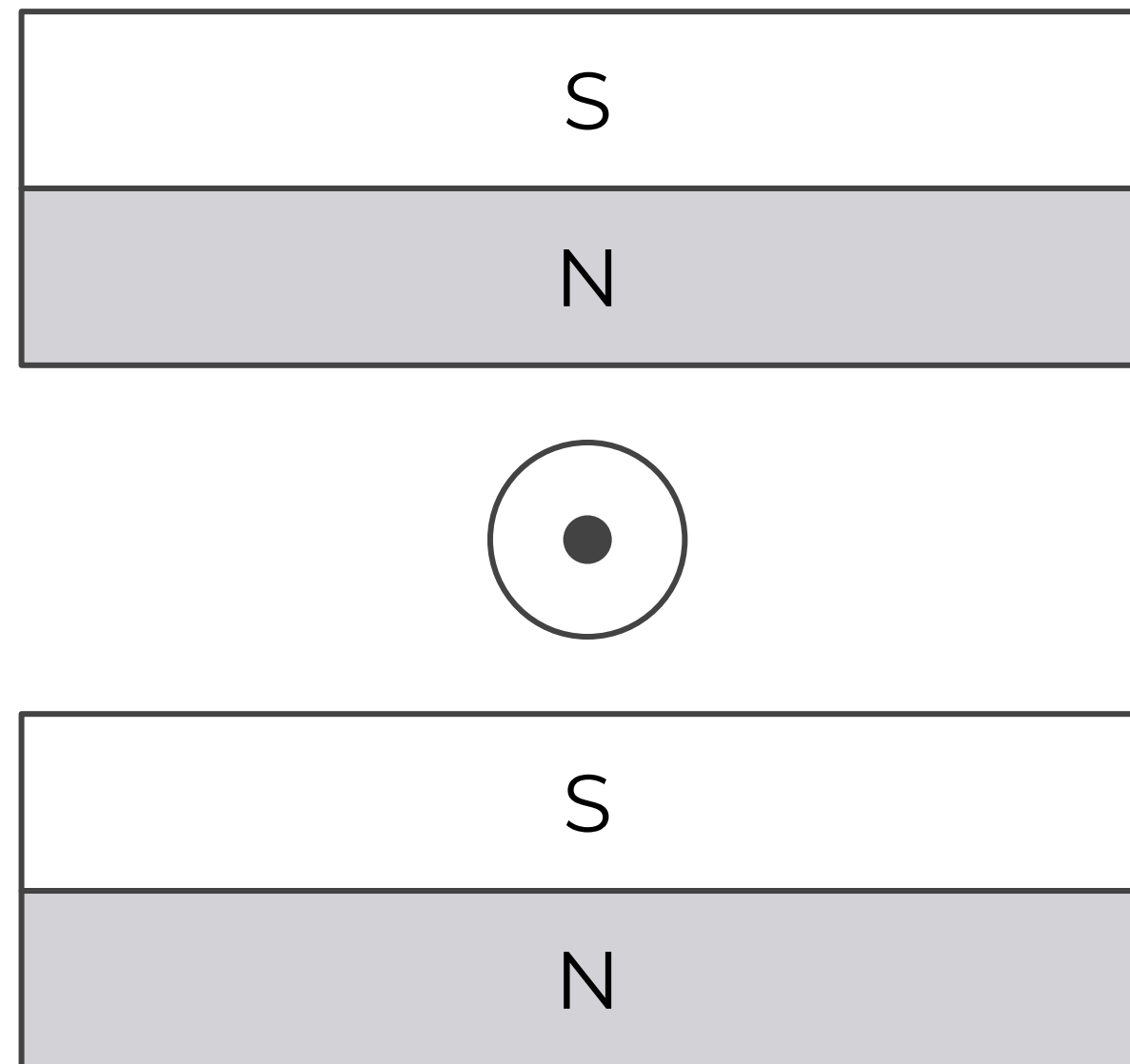
## You Do





# Which way does the force act?

## You Do



# Which way does the force act?

You Do

