Oxford Cambridge and RSA

GCSE Physics A (Gateway)

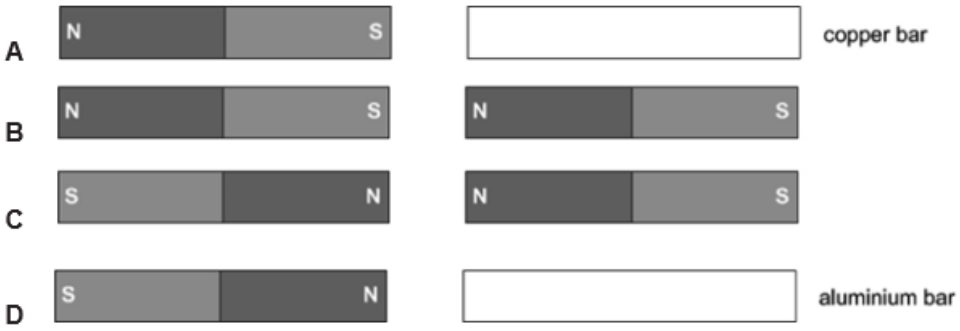
J249/01 Physics A P1-P4 and P9 (Foundation Tier)

Question Set 28

Multiple Choice Questions

P4: Magnets and Magnetic Fields

1 Which pair of objects attract each other?



Your answer B

[1]

2 In a solenoid, a magnetic field is generated when an electric current passes through a coiled wire.

Which row shows how increasing the current or increasing the number of turns in the coiled wire affects the strength of the magnetic field?

		Increased current	Increased number of turns
A	Effect on magnetic field strength	stronger	weaker
B		stronger	stronger
C		weaker	stronger
D		weaker	weaker

Your answer B

[1]

3 Why is an unmagnetised piece of iron attracted to a magnet?

A The iron has charged particles which attract the electrons in the magnet.

B The iron has charged particles which attract the protons in the magnet.

C The iron has magnetism induced by the magnet.

D The iron is attracted by the Earth's magnetic field

Your answer C

[1]

Total Marks for Question Set 28: 3