

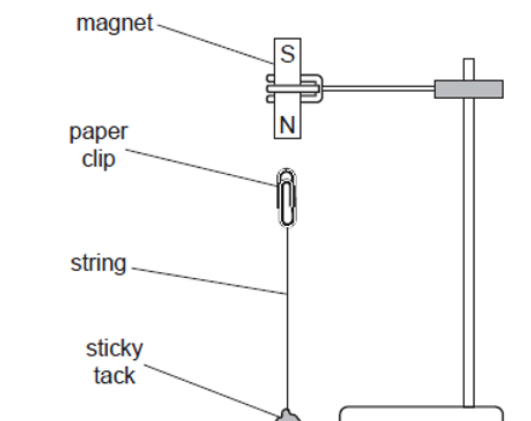
GCSE Physics B (Twenty First Century Science)
J259/01 Breadth in Physics (Foundation Tier)

Question Set 34

1

Sarah's teacher demonstrates some examples of forces.

She sets up the equipment shown below.



- (a) One of the forces acting on the paper clip is the attractive force of the magnet.
Name **two** other forces acting on the paper clip. [2]
- (b) Sarah's teacher says that forces always act in pairs.
The magnet provides a force of attraction which acts upwards on the paper clip.
Describe the other force in this pair. [2]
- (c) The teacher cuts the thread.
- (i) Predict what will happen to the paper clip. [1]
- (ii) Give **one** reason for your answer to (c)(i). [1]

Total Marks for Question Set 34: 6

OCR

Oxford Cambridge and RSA

Copyright Information

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website (www.ocr.org.uk) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact The OCR Copyright Team, The Triangle Building, Shaftesbury Road, Cambridge CB2 8EA.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge