

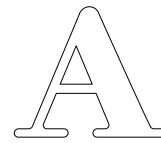
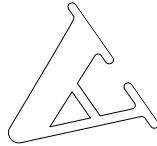
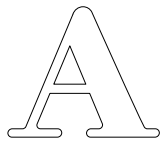


Name: Form:

See pages 14 and 15 of *Forces in action*

Centre of gravity

The centre of gravity is the place where all of an object's weight balances.



Q1. (i) Where would you hang a plumb line from the left hand A to help find its centre of gravity? Draw in the plumb line.

(ii) Where would you hang a plumb line from the central A to help find its centre of gravity? Draw in the plumb line.

(iii) Put an X on the right hand A to mark its centre of gravity.

Q2. An object has forces pulling down on its right and left sides. How do the forces compare if the object is in balance?



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Q3. What is the name of the force that pulls down on objects? 

Q4. How can you find the centre of gravity of a spoon?



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Q5. (i) Name a vehicle with a low centre of gravity. 

(ii) How is the low centre of gravity useful? 



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Q6. (i) A lorry is loaded so that it is top-heavy.

Is its centre of gravity high up or low down? 

(ii) Would the lorry be dangerous to drive? Explain your answer.



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