

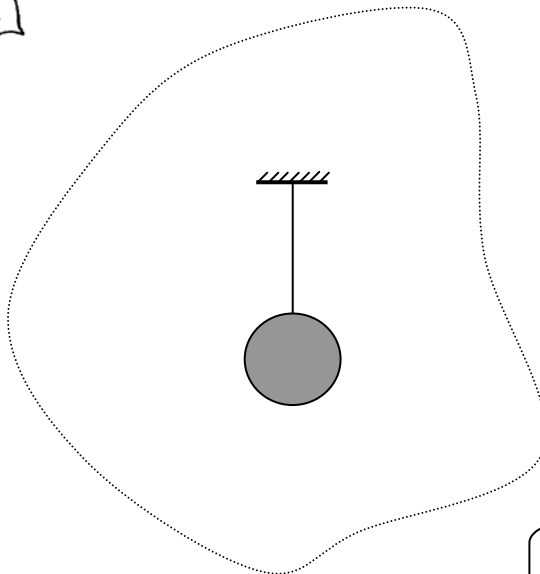
## Hanging ball

A ball is hanging from a string which is tied to the ceiling.  
What forces are acting on the ball?

The ball is not moving.  
There are no forces  
acting on it.



The only force on the  
ball is the force of  
gravity pulling it down.



A string cannot pull.  
It just stops the ball  
from falling.



The string is pulling  
upwards on the ball  
and this balances  
the force of gravity.



## Hanging ball What do you think?

Tick a box in each row to show if you agree or disagree with each of the pupils:

		Agree	Disagree	Not sure
Alan	<b>The ball is not moving. There are no forces acting on it.</b>			
Barbara	<b>The only force on the ball is the force of gravity pulling it down.</b>			
Carole	<b>The string is pulling upwards on the ball and this balances the force of gravity.</b>			
David	<b>A string cannot pull. It just stops the ball from falling.</b>			

Please explain your answer in the space below:

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