











# Unbalanced forces

<b>What if?</b> 	<b>Find a solution</b> 	<b>Argue your case</b> 	<b>Alternate universe</b> 
<p>Imagine if gears and pulleys had never been invented. How would this have changed things?</p>	<p>Some explorers are trying to move their gear over a river without getting it wet. How could they use gears, pulleys or levers to do so? Write or draw a solution.</p>	<p>Write an argument to convince someone to change their mind that the bigger an object, the larger its gravitational pull.</p>	<p>How might the world be different if Earth's gravity was stronger or weaker?</p>
<b>Picture smart</b> 	<b>The alphabet</b> <b>ABC</b>	<b>Sing it, say it, write it</b> 	<b>What was the question?</b> 
<p>Draw a picture to show how someone can use a pulley to lift a heavy object like a car.</p>	<p>List an example of something for every letter of the alphabet to do with forces.</p>	<p>Write a story, song or poem about either:</p> <ul style="list-style-type: none"> <li>• Gravity.</li> <li>• Air resistance.</li> <li>• Water resistance.</li> <li>• Friction.</li> <li>• Gears, pulleys or levers.</li> </ul>	<p>You are given the answer:</p> <ul style="list-style-type: none"> <li>• <b>Force.</b></li> </ul> <p>What is the question? (List as many questions as you can.)</p>
<b>Revision spiders</b> 	<b>What is going on?</b> 	<b>The good, the bad and the interesting</b> <b>✓✗!</b>	<b>Interesting props</b> 
<p>Create a spider diagram about forces.</p>	<p>List the reasons why things fall at different speeds in water, air and other planets.</p>	<p>Give a negative, a positive and an interesting point about friction.</p>	<p>Think outside the box to use everyday objects to explain air or water resistance.</p>