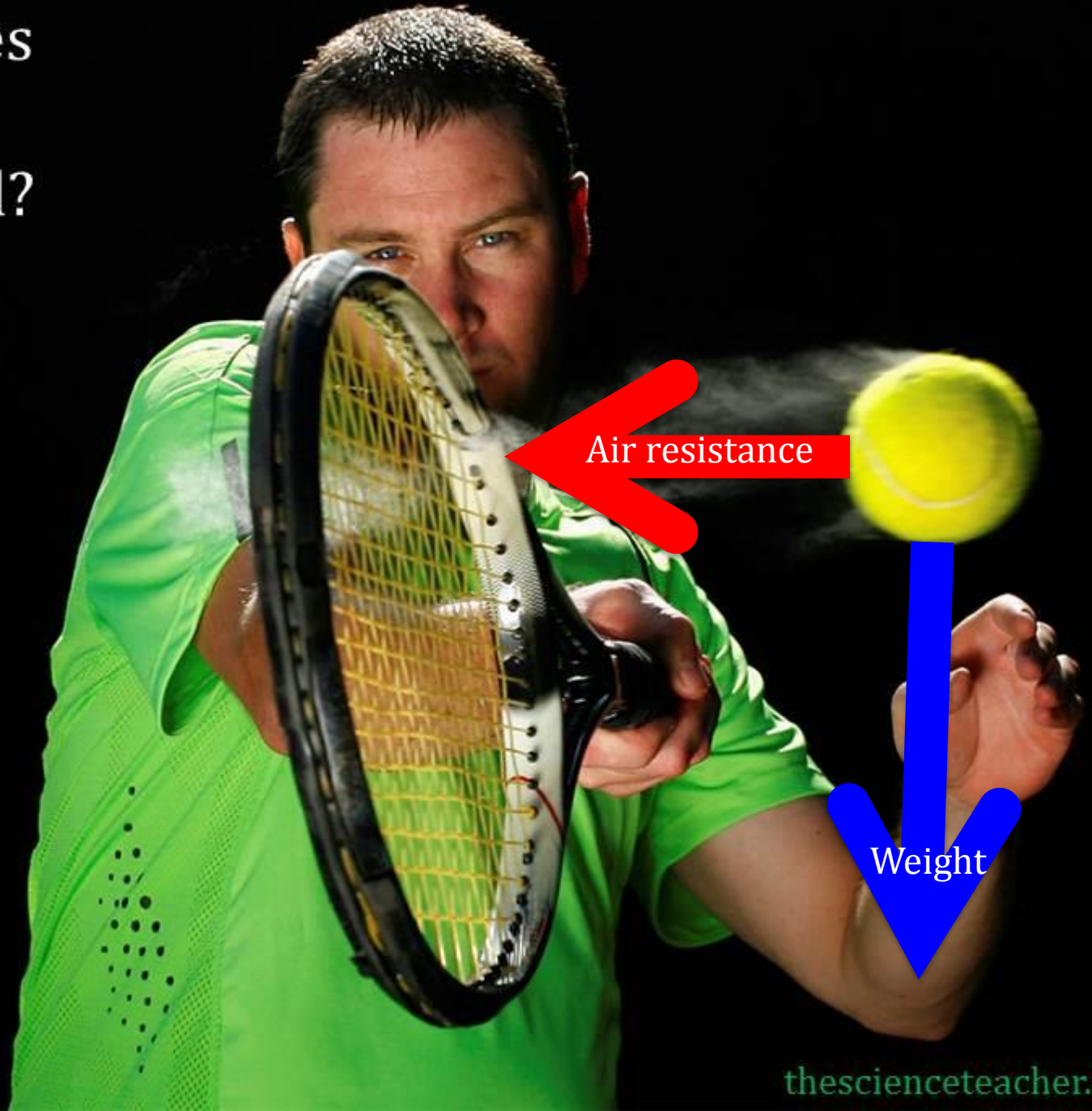


<b>Topic</b>	Free body diagrams	<b>Level</b>	GCSE (or any course for students aged 11-16)
<b>Outcomes</b>	<ol style="list-style-type: none"><li>1. To draw forces acting on a tennis ball</li><li>2. To recall and understand Newton's first law of motion</li></ol>		

What forces  
are acting  
on this ball?



What forces are acting on this ball?



# Newton's First Law

Newton's first law says that a body stays at rest or moves at a constant velocity unless an unbalanced force acts on it.