

Question Number	Answer	Mark
12	<p>The blades exert a downward force on the air (1)</p> <p>The air exerts an equal upwards force on the blades/helicopter Or By Newton's 3rd law there is an equal upwards force (1)</p> <p>This upwards force equals the weight of helicopter (1)</p> <p>The resultant force is zero, so (by Newton's 1st or 2nd law) there is no acceleration (and the helicopter maintains a constant height) (1)</p>	4
	Total for question 12	4