

5	<p><b>B is the correct answer as the light bends towards the normal when travelling from L to M (so <math>v_L &gt; v_M</math>) but bends away from the normal when travelling from M to N, but there is not as much of a change of direction as there was from L to M.</b></p> <p>A is not the correct answer as light bends away from the normal travelling from M to N so <math>v_N</math> must be greater than <math>v_M</math></p> <p>C is not the correct answer as light bends towards the normal travelling from L to M so <math>v_L</math> must be greater than <math>v_M</math></p> <p>D is not the correct answer as light bends away from the normal travelling from M to N, so <math>v_N</math> must be greater than <math>v_M</math></p>	(1)
6	<p><b>C is the correct answer. Light bends away from the normal in E to F so <math>v_E &gt; v_F</math>.</b></p> <p>A is not the correct answer as light bends away from the normal travelling from E to F so <math>v_F</math> must be greater than <math>v_E</math></p> <p>B is not the correct answer as light bends away from the normal travelling from E to F so <math>v_F</math> must be greater than <math>v_E</math></p> <p>D is not the correct answer as light bends away from the normal travelling from E to F so <math>v_F</math> must be greater than <math>v_E</math></p>	(1)