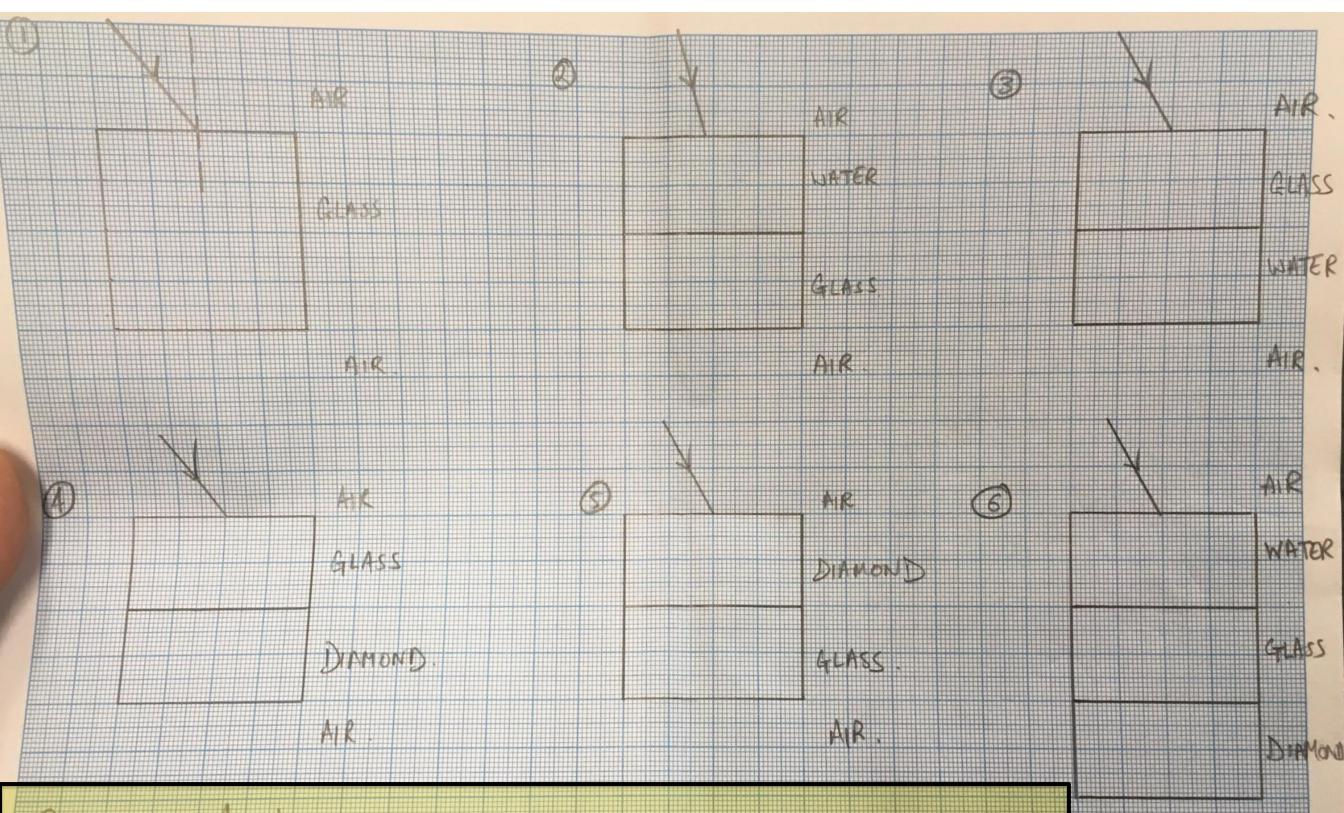
Торіс	Re	fraction and Snell's law	Level	Key Stage 4 (or any course for students aged 14-16)	
Outcomes	1. 2.				
Information for teachers	• Waves can be transmitted, reflected or absorbed. Refraction is a phenomenon associated with transmission. Refraction is commonly taught with respect to two interfaces, i.e. air/glass/air and is often described as light 'bending' towards the normal as it enters the more optically dense medium and 'bending' away from the normal as it leaves the more optically dense medium. But what happens to light if it goes through more than one different material? Get your students to complete the worksheet by getting them to draw normal lines and refracted rays. Make sure your students can draw normal lines before completing this worksheet.				
	•	hence calculate the final angle below. <b>Refractive index (n):</b> Air = 1 Water = 1.3 Glass = 1.5 Diamond = 2.4 You can check your answers	sk them to calculate the angle of refraction at each boundary and nal angle of refraction using the refractive index of each material listed : answers using this refraction calculator: er.com/snells-law-refraction-calculator		



AIR

REMEMBER A. LANT MOVES FROM A LESS DENSE TO A MORE DENSE MEDIUM IT SLOWS DOWN AND BANGS THE NORMAL... Fill this box if students require less support AIR is LESS DENSE THAN WATER < GLASS < DIAMOND.