Question 26 (5 marks)

Wate	er can be described as either 'hard' or 'soft'.	
(a)	Describe a test you have used to determine whether a given sample of water is 'hard' or 'soft'.	2
(b)	A sample of hard water contains 6×10^{-4} mol L ⁻¹ of magnesium carbonate.	3
	Calculate the mass, in mg, of magnesium carbonate in 150 mL of this sample.	