Question 26 (5 marks)

Water 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
	Water herdness depends on the Ug2+	
	and Cuzt constation this com be	
	clejemined by distring a continuate	
	Solution and morsing the preisisate	
	A sample of hard water contains 6×10^{-4} mol L ⁻¹ of magnesium carbonate.	
(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.	
	n-M 6x10-4=24+12+3x16	
	m	

- M+0000 mg/4

=12076