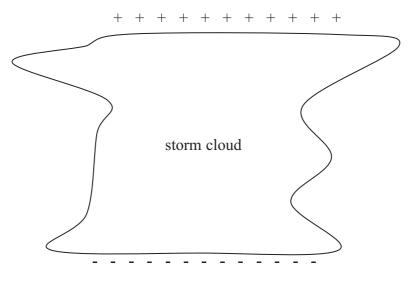
		Suggest two ways that this signal could be made to carry more information.	(2)
(b) T	Гhe	frequency of Marconi's radio wave was 820 kHz and the wavelength was 366	m.
	(i)	State the equation linking wave speed, frequency and wavelength for radio wa	
((ii)	Calculate the speed of the radio waves Marconi received.	(2)
		Speed of radio waves =	m/s
(c) S	Som	ne people do not believe that Marconi received 820 kHz radio waves.	
7	They	y think that the frequency was really twice as much: 1640 kHz.	
I	If th	ese people are correct, what wavelength radio waves did Marconi receive?	(1)
		Wavelength =	m



(d) Other people do not think Marconi received a radio signal across the Atlantic Ocean at all.

They think the radio waves he received were really caused by electrostatic discharges from storm clouds.







Explain what happens when a storm cloud discharges.



(Total for Question 6 = 11 marks)

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