1.	What would the distribution of alpha particles, relative to the incident beam, look like if the positive nucleus took up the whole atom (sort of like the plum pudding). Draw a graph an explain:	
<u>0</u> °		360°
2.	What if it took up 50%? Draw a graph and explain:	
		360°
	What does the distribution of alpha particles actually look like (recall that 1 in every 8000 particles were deflected). Draw a graph and explain:	

4. How would Rutherford's experimental results change if he had used electrons or neutrons?