Homework #1 Radioactivity

Question 1

aterials to be used and their proper placement.	
	[6]
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Question 4

This question is about the Cathode Ray Tube (CRT).

(a) Fig. 7.1 shows a diagram of a CRT. One of the main features has been labelled for you. In the spaces provided, label the other five features. [4]

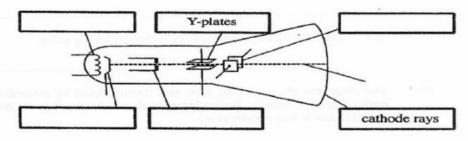


Fig. 7.1

riefly explain who	at causes the cathode to emit the cathode rays.
10	
Vhat are cathode r	ave?
· · · · · · · · · · · · · · · · · · ·	ayo.
ame the process t	aking place at the cathode.
live an example of	f a use for a cathode ray tube.

Question 5

A radioactive isotope of barium has a half-life of 2 minutes. The isotope of barium has an activity rate of 200 disintegration/minute.

Calculate the activity rate of the barium isotope after 6 minutes.

Total marks [10]