

New terms

We have covered three new terms in this video.

- What do these new terms mean?
- How do they interact with each other?
- Which of them can be measured?
- How would you calculate one from another?

Draw labelled arrows around the terms below to describe their relationships

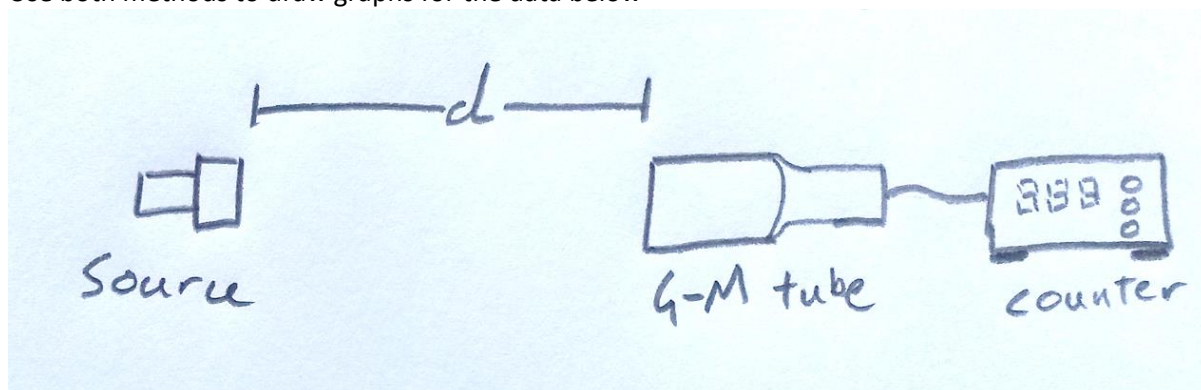
Half life

Activity

Decay
constant

Dealing with background radiation

Use both methods to draw graphs for the data below



Background reading	
Try	Count for 500 sec
1	20164
2	20084
3	20125
4	20008
5	20104
6	20111
7	20005
8	20118
9	20187
10	20070

Distance [m]	Count for 500 sec
0.10	32006
0.20	9514
0.30	5353
0.40	3885
0.50	3207
0.60	2849
0.70	2614
0.80	2479
0.90	2371
1.00	2315
1.10	2249
1.20	2218
1.30	2189
1.40	2153
1.50	2146
1.60	2135
1.70	2121
1.80	2110
1.90	2090
2.00	2077