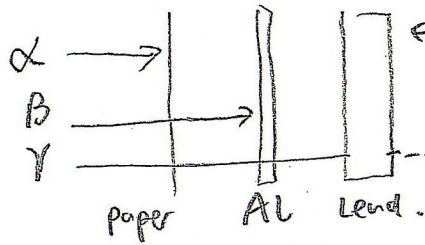
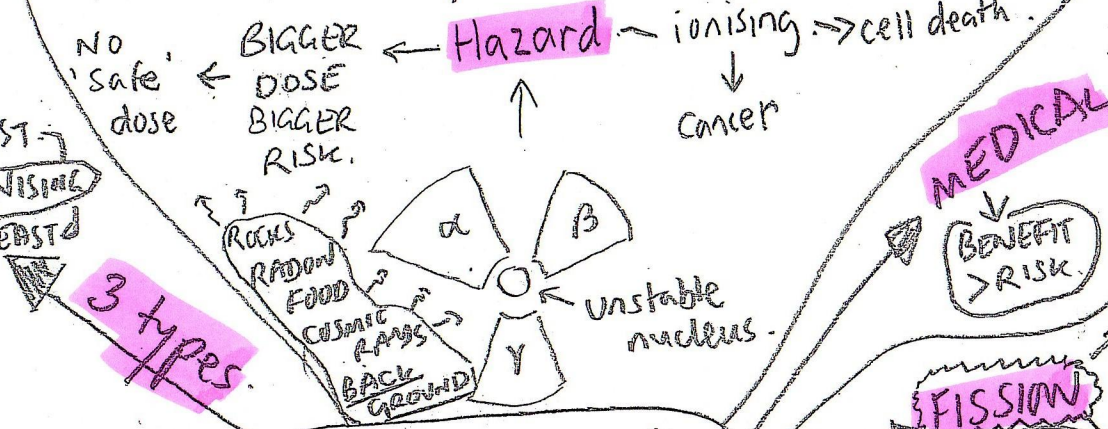
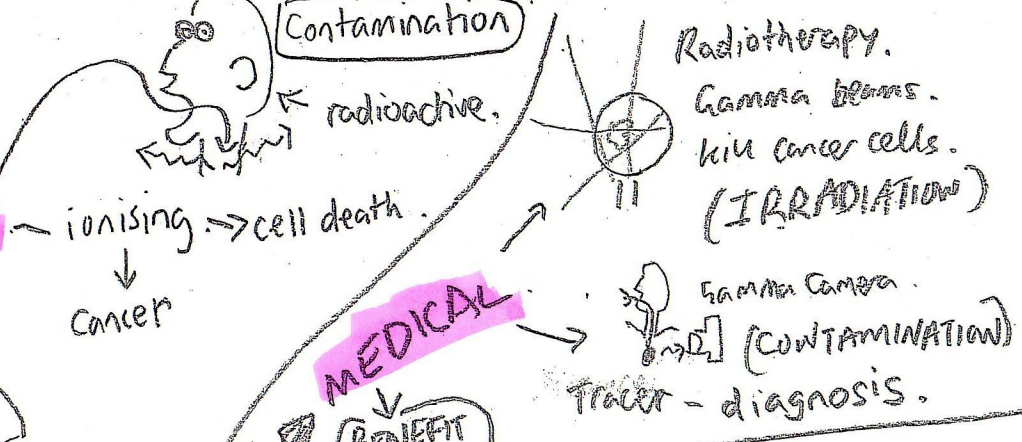
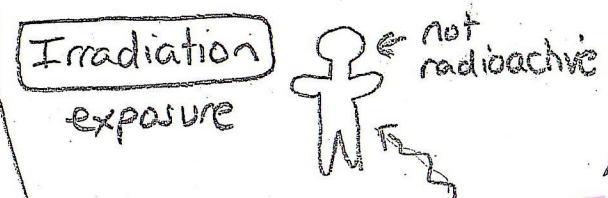


α Alpha.	2 protons 2 neutrons	${}^4_2\text{He}^{2+}$
β Beta.	Fast electron.	${}^0_{-1}\text{e}$
γ Gamma	Electromagnetic wave.	

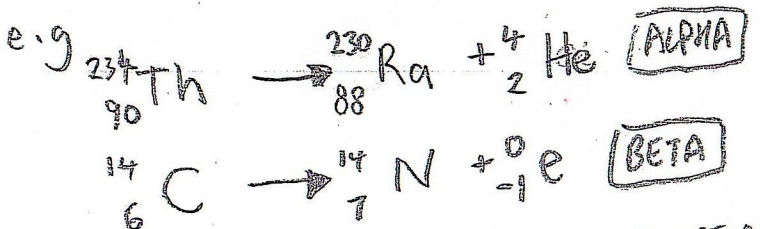
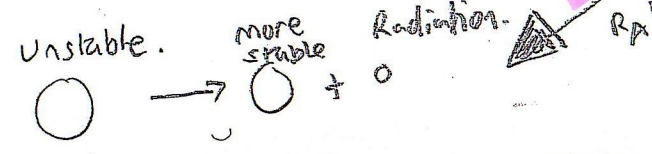
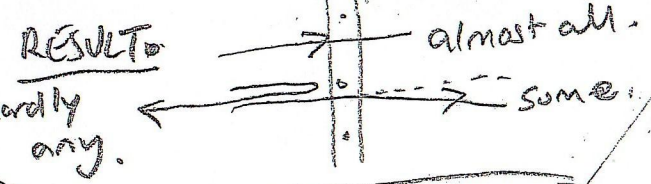
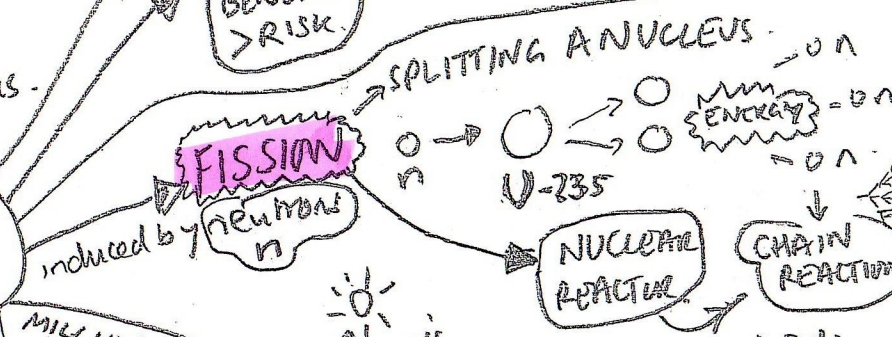
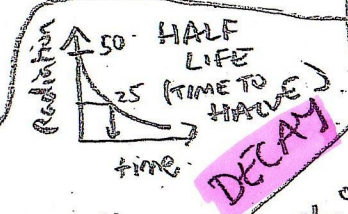


IN AIR

α few cm.
 β 1 metre.
 γ several metres.



P7 Radioactivity



NUMBERS BALANCE TOP AND BOTTOM

SHORTHAND.

${}^7_3\text{Li}$ ← 7 protons + neutrons

${}^3_3\text{Li}$ ← 3 protons.

ISOTOPES: SAME N^o of P
DIFFERENT N^o of N

e.g. ${}^{14}_6\text{C}$ - "Carbon 14" / ${}^{12}_6\text{C}$ - "Carbon 12"

