

- 7 (a) State what is meant by

α -particle:

β -particle:

γ -radiation:

[2]

- (b) Describe the changes to the proton number and the nucleon number of a nucleus when emission occurs of

- (i) an α -particle,

.....
..... [1]

- (ii) a β -particle,

.....
..... [1]

- (iii) γ -radiation.

.....
..... [1]