

- 7 A sample of a radioactive substance may decay by the emission of either α -radiation or β -radiation and/or γ -radiation.

State the type of radiation, one in each case, that:

- (a) consists of leptons

.....[1]

- (b) contains quarks

.....[1]

- (c) cannot be deflected by an electric field

.....[1]

- (d) has a continuous range of energies, rather than discrete values of energy.

.....[1]

[Total: 4]