

- 1 State the 3 types of radiation.
- 2 Define 'ionisation'
- 3 Define 'ionising power'
- 4 Put alpha, beta and gamma radiation in order of their ionising strength (**low to high**)
- 5 Define 'penetrating power'
- 6 Put alpha, beta and gamma radiation in order of their penetrating power (**low to high**)
- 7 What stops: a) an **α -particle** b) a **β particle** b) **gamma radiation**
- 8 Which radiation is has the highest speed?
- 9 Define the 'range'
- 10 Put alpha, beta and gamma radiation in order of their range (**low to high**)
- 11 Define '**ionisation**'
- 12 Define '**irradiation**'
- 13 Define '**contamination**'
- 14 What is the difference between someone who is **irradiated** and **contaminated**?
- 15 Why is a radioactive source stored in a lead-lined box?
- 16 Which ionising radiation is most easily absorbed?
- 17 Which ionising radiation is (or radiations are) stopped by a thick aluminium plate?
- 18 Describe the a negative effect of ionising radiation on the human body
- 19 Explain whether an alpha or beta source is the most harmful if both sources are:
a) **outside the body** b) **Inside the body**