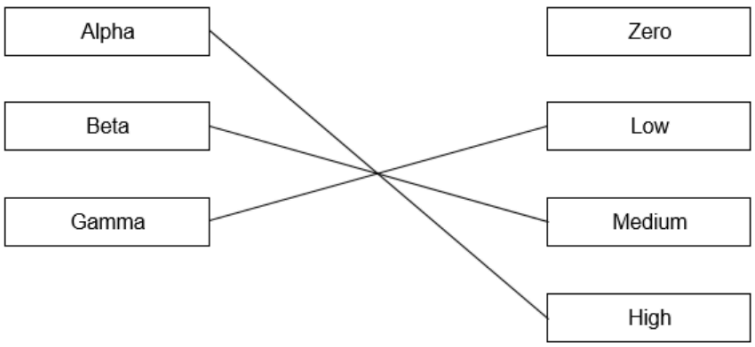
Q1.(2022)

a)

Type of radiation	Most radiation is stopped by:		
	the sheet of paper	the sheet of aluminium	the block of lead
Alpha	Yes	Yes	Yes
Beta	No	Yes	Yes
Gamma	No	No	Yes

1 mark for each correct row
allow ticks and crosses in place of yes and no
any incorrect answer on a row negates the mark for the row

b)



c)

nuclear accidents

Q2.(2024)

a)

rock **C**

(because) alpha is stopped by
(one sheet of) paper
or
(one sheet of) paper significantly
decreased the radiation
detected

b)

rock **A**

(because) beta radiation is stopped by (a thick) aluminium (sheet)

or

the (thick) aluminium (sheet) significantly decreased the radiation detected

c)

wearing protective gloves

d)

the activity is half the original activity

e)

The greater the activity, the greater the risk of harm.