Practice Question Set For GCSE
Subject : Physics
Paper-1 Topic: GCSE Triple Science Atomic Structure (Low Demand Questions)

Merit Minds
www.merit-minds.com
Exam Preparation and Free Resources

Name of the Student:_____
Max. Marks : 11 Marks **Time : 11 Minutes**

Mark Schemes

Q1.

Quality of written communication
The answer to this question requires ideas in good English in a sensible order with correct use of scientific terms. Quality of written communication should be considered in crediting points in the mark scheme

Any **three** from

radon releases (alpha) radiation
accept radon is radioactive
1

(radon **or** radiation causes) harm **or** damage to body **or** cells
accept cause cancer / mutations / radiation sickness
1

idea that living near radiation over long period will lead to large 'dose' of radiation

radon (is a gas) that can be breathed in
1

[3]

Q2.

(i) 86
1

(ii) 222
1

[2]

Q3.

Quality of written communication

correct use of **three** scientific terms e.g. radiation / α **or** β **or** γ / cells / ionisation / mutation (not cells or body) / chromosomes / DNA / genes / cancer
1

any **three** from:

(materials emit) radiation

Downloaded from www.merit-minds.com

named type of radiation (**or** **or**)

damage / harm / kill

dangerous is neutral

cells / chromosomes / DNA / genes

cancer

mutations

ionisation

gloves or glass absorb radiation / prevent radiation reaching body or cells

3

[4]

Q4.

- 4
- 9

each for 1 mark

[2]

Downloaded from www.merit-minds.com