Practice Question Set For GCSE

Subject: Physics

Paper-1 Topic: GCSE Triple Science Atomic Structure (Low Demand Questions)

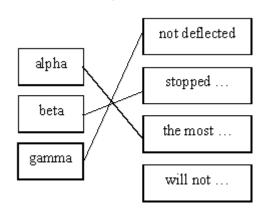
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| Exam Prepara | ation and Free Resources |

[4]

| Max. Marks: 17 Marks | | _ |
|----------------------|--|------------------|
| | | Time: 17 Minutes |
| Mark Schemes | | |
| Q1. | | |
| (a) top and | d bottom boxes identified | 1 |
| (b) Medica | al (treatment) | |
| or X-ra | ays answer must be in table | |
| | accept treatment for medical treatment | 1 |
| (c) 15 | allow 1 mark for correctly identifying 300 as the average dose | |
| | | 2 |

Q2.

3 lines correctly drawn (a)



1 mark for each correct line if more than one line is drawn from a box in

nucleus (b)

> accept nuclei do not accept nuclear

(c) **Y**

do **not** accept gamma

List A all lines from that box are wrong

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3

1

| | • | least dangerous (inside the body) do not accept not dangerous accept not as harmful as alpha (inside the body) | | |
|-----|---|--|---|-----|
| | • | least ionising | | |
| | • | penetrates through the body do not accept can be detected externally | 1 | |
| | • | is a gas / can be breathed in accept it is not a solid (cannot score if Z chosen) if X chosen can score this gas mark if Z chosen can score both gamma marks | 2 | |
| (d) | any | one from: do not accept kills bacteria | | |
| | • | longer shelf life accept stays fresh longer / stops it going bad / mouldy | | |
| | • | food can be supplied from around the world | | |
| | • | wider market for farmers | | |
| | • | cost to consumers (may be) lower | | |
| | • | less likely to / will not get food poisoning accept infection / disease / ill for food poisoning | 1 | [8] |
| Q3. | | | | |
| (a) | dust | accept 'solid (s)' | 1 | |
| | spa | ce accept 'from supernova / supernovum / supernovas' | 1 | |
| (b) | By atoms joining together only one ticked or otherwise unambiguously identified | | 1 | |
| (c) | Milky Way (galaxy) | | 1 | |
| (d) | The | answer depends on beliefs and opinions, not scientific evidence. only one ticked or otherwise unambiguously identified | 1 | [5] |
| | | | | |

any **two** from:

do **not** accept other properties of gamma