Edexcel iGCSE Physics Checklist

Section G23: Atoms and Radioactivity

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| ***I can*** | ☺ | 😐 | ☹ |
| use the following units: becquerel (Bq), centimetre (cm), hour (h), minute (min), second (s). |  |  |  |
| describe the structure of an atom in terms of protons, neutrons and electrons and use symbols such as C 14 6 to describe particular nuclei |  |  |  |
| understand the terms atomic (proton) number, mass (nucleon) number and isotope |  |  |  |
| understand that alpha and beta particles and gamma rays are ionising radiations emitted from unstable nuclei in a random process |  |  |  |
| describe the nature of alpha and beta particles and gamma rays and recall that they may be distinguished in terms of penetrating power |  |  |  |
| describe the effects on the atomic and mass numbers of a nucleus of the emission of each of the three main types of radiation |  |  |  |
| understand how to complete balanced nuclear equations |  |  |  |
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