CiE iGCSE Physics Checklist

Section 24: Radioactive Decay

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| **CORE** |  |  |  |
| State the meaning of radioactive decay |  |  |  |
| State that during α- or β-decay the nucleus changes to that of a different element |  |  |  |
| Use the term half-life in simple calculations, which might involve information in tables or decay curves |  |  |  |
| Recall the effects of ionising radiations on living things  |  |  |  |
| Describe how radioactive materials are handled, used and stored in a safe way |  |  |  |
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| **SUPPLEMENT** |  |  |  |
| Use equations involving nuclide notation to represent changes in the composition of the nucleus when particles are emitted  |  |  |  |
| Calculate half-life from data or decay curves from which background radiation has not been subtracted |  |  |  |
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