TASK 1: Answer the questions to tell you how to get into the first box.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | |  | |  | 1 | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  | 2 |  |  |  |  |  | |  | |  |  | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  |  |  |  | |  | |  |  | |  | | 3 |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  |  |  |  | |  | |  | 4 | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
| 5 |  |  |  |  |  |  | |  | |  |  | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  | 6 |  |  |  |  | |  | |  |  | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  |  |  |  | |  | | 7 |  | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  |  | 8 |  | |  | |  |  | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  | 9 |  |  | |  | |  |  | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  |  |  | 10 |  | |  | |  |  | |  | |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |  | |  |

Do not use the numbered grey boxes

* + - 1. The unit of absorbed dose.
      2. Denoted by symbol **H**.
      3. The symbol for absorbed dose.
      4. Defined as the number of decays per second.
      5. Denoted by the symbol **Ḣ**.
      6. Has no unit but gives an indication of the damage caused by different radiations
      7. A fast moving electron that originates from the nucleus, stopped by a few millimetres of aluminium.
      8. The unit of equivalent dose.
      9. The unit of activity.
      10. Part of the electromagnetic spectrum, some can even pass through a few centimetres of lead.

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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | |  | |  | 1 | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  | 2 |  |  |  |  |  | |  | |  |  | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  |  |  |  | |  | |  |  | |  | | 3 |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  |  |  |  | |  | |  | 4 | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
| 5 |  |  |  |  |  |  | |  | |  |  | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  | 6 |  |  |  |  | |  | |  |  | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  |  |  |  | |  | | 7 |  | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  |  | 8 |  | |  | |  |  | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  | 9 |  |  | |  | |  |  | |  | |  |  |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  |  |  | 10 |  | |  | |  |  | |  | |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |  | |  |

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TASK 1: Answers

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | |  | |  | 1 | | G | | R | **A** | Y |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  | 2 | E | Q | U | I | V | | A | | L | E | | N | | T | **D** | O | S | E | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  |  |  |  | |  | |  |  | |  | | 3 | **D** |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  |  |  |  | |  | |  | 4 | | A | | C | **T** | I | V | I | | T | Y | |  | |  | |  | |  |  | |  | |  | |  | |  |
| 5 | E | Q | U | I | V | A | | L | | E | N | | T | | D | **O** | S | E | R | | A | T | | E | |  | |  | |  |  | |  | |  | |  | |  |
|  |  | 6 | R | A | D | I | | A | | T | I | | O | | N | **W** | E | I | G | | H | T | | I | | N | | G | | F | A | | C | | T | | O | | R |
|  |  |  |  |  |  |  | |  | | 7 | B | | E | | T | **A** | P | A | R | | T | I | | C | | L | | E | |  |  | |  | |  | |  | |  |
|  |  |  |  |  | 8 | S | | I | | E | V | | E | | R | **T** |  |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  | 9 | B | E | | C | | Q | U | | E | | R | **E** | L |  |  | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |
|  |  |  |  |  |  | 10 | G | | A | | M | M | | A | | **R** | A | Y | |  |  | |  | |  | |  | |  |  | |  | |  | |  | |  |  | |  |