

Mark schemes

1.	A	<i>Its rate of change of momentum is at a minimum.</i>	[1]
2.	C	<i>10</i>	[1]
3.	B	<i>16N</i>	[1]
4.	C	<i>to decrease neutron speeds</i>	[1]
5.	A	<i>$2.3 \times 10^8 \text{ W}$</i>	[1]
6.	C	<i>$2.55 \times 10^{-13} \text{ J}$</i>	[1]
7.	D		[1]
8.	B		[1]
9.	B		[1]
10.	D		[1]
11.	A		[1]
12.	B		[1]
13.	C		[1]
14.	A		[1]

Radioactivity MCQ

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|----------------|---|-----|
| <div>15.</div> | C | [1] |
| <div>16.</div> | C | [1] |
| <div>17.</div> | D | [1] |
| <div>18.</div> | C | [1] |
| <div>19.</div> | D | [1] |
| <div>20.</div> | B | [1] |
| <div>21.</div> | B | [1] |
| <div>22.</div> | A | [1] |
| <div>23.</div> | D | [1] |
| <div>24.</div> | C | [1] |