

- 38** The first artificial radioactive substance was made by bombarding aluminium, $^{27}_{13}Al$, with α -particles. This produced an unstable isotope of phosphorus, $^{30}_{15}P$.

What was the by-product of this reaction?

- A** an α -particle
- B** a β -particle
- C** a γ -ray
- D** a neutron

Space for working