

**38** Which are the correct descriptions of a  $\gamma$ -ray and a  $\beta$ -particle?

	$\gamma$ -ray	$\beta$ -particle
<b>A</b>	high-speed electron	electromagnetic radiation
<b>B</b>	electromagnetic radiation	Helium-4 nucleus
<b>C</b>	electromagnetic radiation	high-speed electron
<b>D</b>	high-speed electron	Helium-4 nucleus

**39** A certain nuclide, Uranium-225, has nucleon number 225, proton number 92 and neutron number