

**37** Nuclide X with proton number Z undergoes  $\beta^+$  decay to form nuclide Y.

The decay may be represented by the equation shown.



What is the proton number of Y and which particle is represented by the symbol W?

	proton number of Y	particle represented by W
<b>A</b>	$Z - 1$	antineutrino
<b>B</b>	$Z - 1$	neutrino
<b>C</b>	$Z + 1$	antineutrino
<b>D</b>	$Z + 1$	neutrino