## **SECTION A**

## Answer ALL questions.

For questions 1–10, in Section A, select one answer from A to D and put a cross in the box ⊠. If you change your mind, put a line through the box ⋈ and then mark your new answer with a cross ⋈.

1 The table shows the charges on up quarks and down quarks.

Quark	Charge / e
u	$+\frac{2}{3}$
d	$-\frac{1}{3}$

Which row of the table shows the quark structure of protons and neutrons?

		Proton	Neutron
×	A	ddd	uuu
×	В	ddu	uud
×	C	duu	ddu
X	D	uuu	ddd