

**29** The table shows properties of the three radiations  $\alpha$ ,  $\beta^-$  and  $\gamma$ .

Which row in the table is correct?

|          | property          | $\alpha$       | $\beta^-$        | $\gamma$                  |
|----------|-------------------|----------------|------------------|---------------------------|
| <b>A</b> | nature            | helium nucleus | orbital electron | electromagnetic radiation |
| <b>B</b> | ionising ability  | low            | medium           | high                      |
| <b>C</b> | electrical charge | positive       | negative         | zero                      |
| <b>D</b> | penetrating power | high           | low              | medium                    |

**30** Meteorites collected in Antarctica can be used to date the solar system by using the