

**28** The table shows the number of neutrons and nucleons of four different atomic nuclei.

nucleus	number of neutrons	number of nucleons
P	11	22
Q	12	23
R	11	23
S	12	22

Which two nuclei are isotopes of each other?

**A** P and Q

**B** P and R

**C** R and S

**D** Q and S

**29** One of the reactions that takes place in a nuclear power station is shown in the equation below.