

NUCLEAR FUSION-SET-1

1

Nuclear fusion is a reaction that takes place in stars.

Which row describes this reaction?

	action of atomic nuclei	energy
A	an atomic nucleus splits into two or more smaller nuclei	absorbed
B	an atomic nucleus splits into two or more smaller nuclei	released
C	atomic nuclei join together to form a larger nucleus	absorbed
D	atomic nuclei join together to form a larger nucleus	released

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What is meant by nuclear fusion?

- A** the emission of an electron from a nucleus
- B** the emission of two protons from a nucleus
- C** the joining together of two nuclei
- D** the splitting of a nucleus into two smaller nuclei

3

Energy is released in some nuclear reactions.

Which nuclear reaction takes place in a nuclear power station, and which nuclear reaction takes place in the Sun?

	nuclear power station	the Sun
A	fission	fission
B	fission	fusion
C	fusion	fission
D	fusion	fusion

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What is the main process by which energy is produced in the Sun?

- A** combustion
- B** nuclear fission
- C** nuclear fusion
- D** radioactive decay