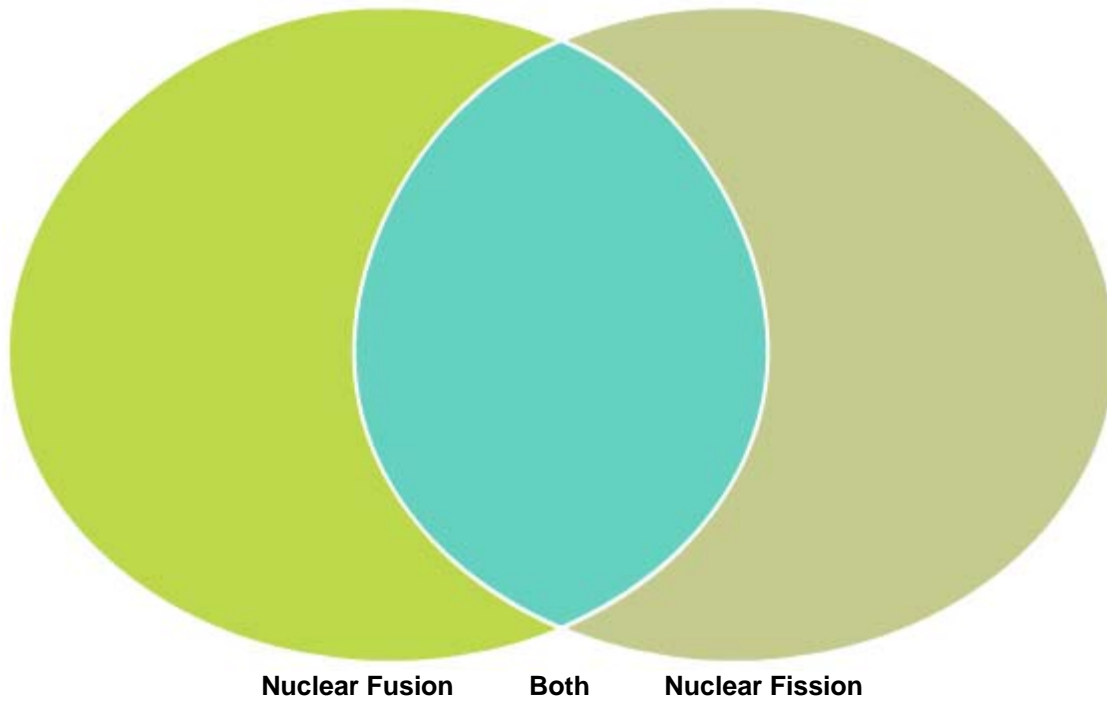


Venn Diagram: Nuclear Change

Directions: Classify each item in the appropriate category. Use the comment and markup tools of Adobe Reader to write in the numbers that belong in each section of the Venn diagram.

Categories



Items

1. generates a very large amount of energy
2. takes place when nuclei join together
3. takes place when nuclei split apart
4. involves a change in the nucleus of an atom
5. responsible for nuclear chain reactions
6. takes place in the Sun

Answers

Both

Feedback: Both result in huge releases of energy.

Fusion

Feedback: Fusion occurs when two light nuclei join.

Fission

Feedback: Fission occurs when nuclei split apart.

Both

Feedback: Both are examples of nuclear change.

Fission

Feedback: Nuclear chain reactions involve fission.

Fusion

Feedback: Fusion takes place in the Sun.