| Templated Game | |
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Crossword: Nuclear Reactors

Directions: Use the words and/or phrases from the word bank to complete the paragraph below.

Definitions

- 1. Reactor _____: where the chain reaction occurs
- 2. keeps neutrons moving at a safe pace
- 3. placed between fuel rods to ensure safety
- 4. prevents escape of radiation to the environment
- 5. spins because of exposure to heat energy
- 6. converts mechanical energy to electrical energy
- 7. Cooling _____: carries away excess heat
- 8. _____ tower: transfers waste heat to the atmosphere
- 9. moves water into and throughout the reactor core

Answers

1. core

Feedback: The nuclear chain reaction takes place in the reactor core.

2. moderator Feedback: The moderator, which is usually water, slows down the neutrons.

3. control rods Feedback: Control rods keep the nuclear chain reaction moving at a safe pace.

4. containment Feedback: The containment structure prevents escape of radiation.

5. turbine Feedback: The turbine spins in reaction to heat energy from steam.

6. generator

Feedback: The generator converts mechanical energy to electrical energy.

7. water

Feedback: The cooling water carries away excess heat.

8. cooling

Feedback: The cooling tower transfers waste heat to the atmosphere.

9. pump

Feedback: The pump moves water into and throughout the reactor core.