Nuclear Energy Firsts and Discoveries

Nuclear Energy · Answer Key · 8 Questions

1. Which scientist discovered natural radioactivity in 1896 while studying uranium salts?

A) Henri Becquerel
B) Marie Curie
C) Ernest Rutherford
D) Wilhelm Röntgen

2. What was the name of the world's first artificial nuclear reactor, which achieved a self-sustaining chain reaction in 1942?

A) Chicago Pile-1
B) X-10 Graphite Reactor
C) EBR-I
D) Obninsk AM-1

3. Which experimental reactor produced the world's first usable nuclear-generated electricity in December 1951?

A) Calder Hall
B) EBR-I
C) Shippingport Atomic Power Station
D) Obninsk Nuclear Power Plant

4. Located in the Soviet Union, which facility became the world's first nuclear power plant to supply electricity to a commercial power grid in 1954?

A) Shippingport Atomic Power Station
B) Obninsk Nuclear Power Plant
C) Calder Hall
D) Dresden Generating Station

5. Which team of chemists discovered nuclear fission in 1938 when bombarding uranium with neutrons?

A) Otto Hahn and Fritz Strassmann
B) Ernest Rutherford and Frederick Soddy
C) Marie and Pierre Curie
D) James Chadwick and Enrico Fermi

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6. What was the name of the world's first nuclear-powered submarine, commissioned by the United States Navy in 1954?

A) USS Enterprise
B) USS Nautilus
C) USS Triton
D) USS Skate

7. Which physicist discovered the neutron in 1932, a key component for initiating nuclear chain reactions?

A) J.J. Thomson
B) Niels Bohr
C) James Chadwick
D) Robert Millikan

8. Opened in the United Kingdom in 1956, which plant is recognized as the world's first full-scale commercial nuclear power station?

A) Shippingport Atomic Power Station
B) Calder Hall
C) Berkeley Nuclear Power Station
D) Marcoule Nuclear Site

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