

Nuclear Energy Firsts and Discoveries

Nuclear Energy · Practice Test · 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

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