

Nuclear Energy Adventures

Nuclear Energy · Practice Test · 18 Questions

1. What tiny, tiny building blocks are inside everything, and can release a lot of energy when they change?

- A) Balloons
- B) Atoms
- C) Stars
- D) Clouds

2. What is the special, heavy rock that we can use to make nuclear energy?

- A) Sandstone
- B) Marble
- C) Uranium
- D) Granite

3. When the special uranium atoms in a nuclear power plant split, what do they make?

- A) Sunshine
- B) Wind
- C) Heat
- D) Rain

4. What do we call a place where we use nuclear energy to make electricity for our homes?

- A) A toy factory
- B) A nuclear power plant
- C) A bakery
- D) A playground

5. What does nuclear energy help power for us, like lights and TVs?

- A) Cars
- B) Electricity
- C) Toys
- D) Bikes

6. Where do we often find uranium, the special rock for nuclear energy?

- A) In the ocean
- B) Deep underground
- C) On top of mountains
- D) Inside trees

7. What do scientists use to control the energy released from splitting atoms?

- A) Feathers
- B) Control rods
- C) Water balloons
- D) Paper airplanes

8. What is released when uranium atoms split that helps heat up water to make steam?

- A) Music
- B) Light
- C) Energy
- D) Bubbles

9. What do we call the special rooms inside a nuclear power plant where the atom splitting happens safely?

- A) Kitchens
- B) Bedrooms
- C) Reactors
- D) Garages

10. What is the process of splitting atoms called that creates nuclear energy?

- A) Fission
- B) Fusion
- C) Melting
- D) Freezing

11. What is used to turn the spinning turbines that make electricity in a nuclear power plant?

- A) Wind
- B) Steam
- C) Smoke
- D) Juice

12. What happens to the used-up parts from a nuclear reactor after they've made energy?

- A) They disappear
- B) They are stored very carefully
- C) They are thrown in the trash
- D) They turn into candy

13. What big, strong building is often built around the part of the nuclear power plant where the atoms split?

- A) A glass dome
- B) A concrete containment building
- C) A wooden shed
- D) A canvas tent

14. What is the name of the tiny particles that make up atoms?

- A) Grains of sand
- B) Protons, neutrons, and electrons
- C) Rainbows
- D) Water droplets

15. What is a benefit of nuclear energy that doesn't create smoke like some other ways of making power?

- A) It smells nice
- B) It doesn't make much air pollution
- C) It's very quiet
- D) It's colorful

16. What do we call the glowing light that can sometimes happen when certain materials are near radioactivity?

- A) A shadow
- B) A sparkle
- C) A glow
- D) A reflection

17. What does nuclear energy help make that powers our video games and computers?

- A) Toys
- B) Batteries
- C) Electricity
- D) Books

18. What is a scientist who studies atoms and nuclear energy called?

- A) A baker
- B) A gardener
- C) A nuclear physicist
- D) A painter