

# Nuclear Energy for Kids

Nuclear Energy · Practice Test · 20 Questions

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**1. What is the name of the tiny building blocks that make up everything in the world?**

- A) Atoms
- B) Blocks
- C) Crayons
- D) Stickers

**2. What do we call the special process where an atom is split to release energy?**

- A) Folding
- B) Breaking
- C) Fission
- D) Mixing

**3. Where does a nuclear power plant keep the fuel used to create energy?**

- A) In a box
- B) In a reactor
- C) Under a rug
- D) In a freezer

**4. What is the main thing that nuclear power plants produce for our homes?**

- A) Clean water
- B) Electricity
- C) Fresh air
- D) Toys

**5. What is the material most commonly used as fuel in nuclear power plants?**

- A) Coal
- B) Uranium
- C) Wood
- D) Plastic

**6. What substance is heated by nuclear energy to create steam?**

- A) Juice
- B) Oil
- C) Water
- D) Sand

**7. What does the steam from a nuclear plant turn to generate electricity?**

- A) A fan
- B) A wheel
- C) A turbine
- D) A light

**8. Which part of an atom is found in the very center?**

- A) The core
- B) The shell
- C) The outside
- D) The top

**9. Nuclear energy is considered a way to make electricity without creating what?**

- A) Light
- B) Smoke
- C) Sound
- D) Heat

**10. What do we call the big, thick walls that keep a nuclear reactor safe?**

- A) Containment
- B) Fences
- C) Curtains
- D) Cardboard

**11. How do we describe a source of energy that doesn't run out quickly, like nuclear fuel?**

- A) Expensive
- B) Rare
- C) Long-lasting
- D) Heavy

**12. What happens to the water after it turns a turbine in a power plant?**

- A) It disappears
- B) It is cooled down
- C) It turns into ice
- D) It turns into food

**13. Who are the people that work in nuclear power plants to keep them running?**

- A) Chefs
- B) Artists
- C) Engineers
- D) Farmers

**14. What is the nickname for the light emitted by some radioactive materials in water?**

- A) Sunlight
- B) Cherenkov glow
- C) Moonlight
- D) Flashlight

**15. Nuclear energy helps us power things without using what from the ground?**

- A) Fossil fuels
- B) Rain
- C) Wind
- D) Sunlight

**16. What is the name of the building that houses the nuclear reactor?**

- A) Garage
- B) Containment building
- C) Garden shed
- D) Barn

**17. What do we call the protective suits that some workers wear for safety?**

- A) Raincoats
- B) Space suits
- C) Personal protective equipment
- D) Pyjamas

**18. About how much energy can a tiny piece of uranium provide compared to coal?**

- A) Less
- B) The same
- C) Much more
- D) None

**19. What force holds the center of an atom together?**

- A) Glue
- B) Nuclear force
- C) Magnetism
- D) Gravity

**20. Where do we usually build large nuclear power plants?**

- A) Inside houses
- B) Near water sources
- C) On top of mountains
- D) In busy shopping malls