

Nuclear Energy for Kids

Nuclear Energy · Answer Key · 20 Questions

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