

Nuclear Energy Adventures

Nuclear Energy · Answer Key · 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