

TEST BANK FOR ATOMS, RADIATION, NUCLEAR POWER

**Use all other quiz questions as possible.

- Which uranium is used for nuclear power production and why? How many neutrons does it have?
- Which type of radiation can be stopped by your clothing?
- Why do you not get sunburned under your clothes but in an x-ray you can get damage under your clothes?
- Which radiation penetrates deep into organs?
- Why do we not have more nuclear power plants in America?
- Is radiation the only problem with electricity made from nuclear power?
- What is an element called which has the same number of protons, but a different number of neutrons from the one listed on the periodic table?
- What part of a nuclear power plant actually generates the electricity?
- When the fuel of a power plant is removed it is called what?
- Electrons are found in _____ around the atom.
- Protons have a _____ charge and electrons have a _____ charge.
- A neutral atom has how many neutrons?
- Can a person enter a reactor to fix a problem after a nuclear reactor starts up? Explain.

- Has all the uranium been used when a nuclear power plant has been refueled? Explain.
- Can other atoms be used in a reactor to make electricity?
- What is fusion?
- What is the nuclear fission reaction called as it keeps going?
- Will the reaction in a reactor go forever?
- Why is the sum a problem?
- Name three beneficial uses for radiation.
- What other things can be used to make electricity?
- What uses the most electricity in a house?
- What can you do to conserve electricity? Name four things.
- What is CFL?
- Why should people upgrade their insulation? List five reasons.
- Is there a limit on the isotopes of an element?
- What is the main problem with coal as an energy source for electricity?