

Activity Worksheet

Challenging brain

Sub : Science

Grade: X

Date:

Name:

ID No.....

Word Box

Topic: Nuclear Energy

Directions: Complete the paragraph below by choosing the words from the word box on the spaces provided. Be sure to spell each word correctly.

constructive	neutrons	reaction	environmental
storage	peaceful	nuclei	fusion
accidental	heavy	tremendous	disposal
reactor	fission		

The energy released during a nuclear _____ is called nuclear energy. There are two types of nuclear reactions—nuclear _____ and nuclear _____. The process in which the nucleus of a _____ atom (such as uranium, plutonium or thorium) splits up into lighter _____ by the bombardment with low-energy _____ is called nuclear fission. A _____ amount of energy is released in this process. If the nuclear fission is made to occur at a controlled rate, the energy released can be used for _____ rather than destructive purposes.

A system designed to maintain a self-sustained chain reaction so that energy can be used for _____ purpose is called nuclear _____. The major hazard of nuclear power generation is the _____ and _____ of spent or used fuels—the uranium still decaying into harmful subatomic particles. Improper nuclear-waste storage and disposal result in _____ contamination. Further, there is a risk of _____ leakage of nuclear radiation.