

Nuclear Fuels And Reactors

Answers :

1- According to the passage, which of the following statements are “true” or “false” ?

1. Electricity is produced by branching chain reaction. **F**
2. Electricity generated by coal-fired power plants is more expensive than that generated by nuclear power. **F**
3. By fission in a reactor, U-235 nucleus splits into two useful radioactive nuclei. **F**
4. Neutron-absorbing alloys are used in control rods. **T**
5. The energy of each fuel pellet is equal to energy of 1 ton of coal. **T**

2- Choose a, b, c, or d which best completes each item.

1. What is used for cooling of a reactor?
a) **water** b) steam c) fuel rod d) coal
2. What is created by fission energy in a nuclear power plant?
a) **Heat** b) Steam c) Electricity d) Fuel rod
3. Which of the following items are used for bombardment of U-235?
a) fuel rod b) **neutron** c) control rod d) fission energy

3- Read these sophisticated words and search for the translation of each in French or Arabic :

1. nuclear fission الانشطار النووي

2. branching chain reaction	تفاعل متسلسل متفرع
3. bombardment	قصف
4. . radioactivity	النشاط الاشعاعي
5. reactor	مفاعل
6. fuel rod	عمود الوقود
7. control rods	قضبان التحكم
8. power plant	محطة توليد الكهرباء.
9. mining	التعدين
10. radioactive wastes	النفايات المشعة

4- Words with their synonyms and antonyms :

Word	Synonym	Antonym
modern	new and up-to-date fashion	old-fashioned
split	separate	join
trigger	start	finish
compress	compact	expand
discard	throw away	keep
recent	of late time	old
costly	expensive	cheap
halt	stop	start
decline	decrease	increase
tremendous	huge	small

I'll provide you with the link down below for a better understanding of the text !

<https://www.youtube.com/watch?v=rcOFV4y5z8c>