

Nuclear Energy

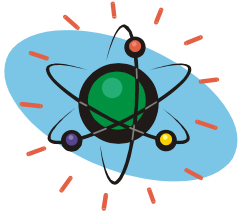
Put in the correct words to complete the sentences !

1. Atoms are made up of a nucleus with protons and _____ .
2. _____ revolve around the nucleus.
3. Only _____ can be used to make energy in a nuclear power plant.
4. When free neutrons always run into other atoms you call this a _____ .
5. _____ are put into the reactor so that it doesn't get too hot.
6. If you make water hot you get _____ .
7. The opposite of fission is _____ .
8. If you recycle uranium you get another dangerous product called _____ .
9. Nuclear waste finally has to be _____ .
10. Nuclear power stations have a strong building around them called a _____ .

What are the dangers of nuclear energy ?

1. _____
2. _____
3. _____
4. _____
5. _____

Describe in short, how a chain reaction works ?

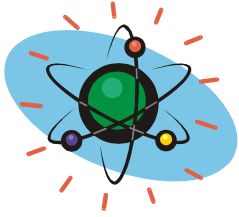


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Match the words with the correct definitions

	reactor
	steam
	petrol
	release
	uranium
	disaster
	nuclear waste
	recycle
	hydrogen
	advantages
	containment
	enrich
	rods
	raise
	join

A	<i>it is made from oil and is used to make our cars move</i>
B	<i>radioactive metal that is found in rock</i>
C	<i>what's left over in a power station</i>
D	<i>one of the elements that makes up water</i>
E	<i>to put together</i>
F	<i>the building around a nuclear power station</i>
G	<i>the inner part of a power plant where energy is produced</i>
H	<i>long sticks</i>
I	<i>to use over and over again</i>
J	<i>the smoke that comes out of water when you make it hot</i>
K	<i>a dangerous accident that kills many people</i>
L	<i>to pull up</i>
M	<i>let out</i>
N	<i>to make something better</i>
O	<i>the good sides of something</i>



Nuclear Energy

Answer the following questions

Why did the nuclear disaster at Chernobyl happen ? _____

Describe the life of the people in Belarus and the Ukraine today ? _____

What danger is there in storing nuclear waste ? _____

Why is nuclear fusion better than fission ? _____

Why do power plants have a containment ? _____

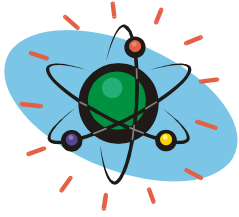
What are control rods for ? How do they work ? _____

Which country depends a lot on nuclear energy ? _____

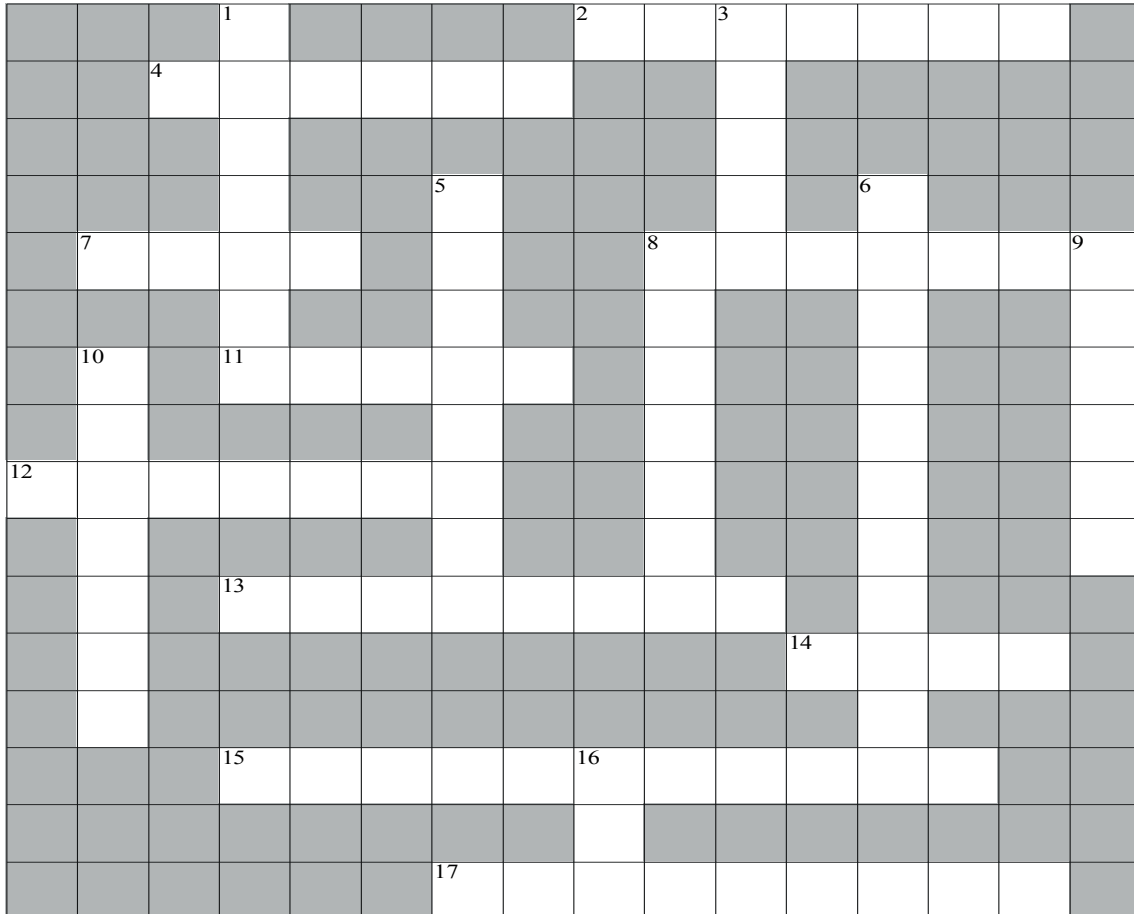
What are atoms made up of ? _____

How does a chain reaction work ? _____

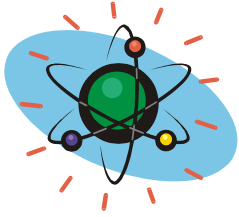
What is the public opinion about nuclear energy today ? _____



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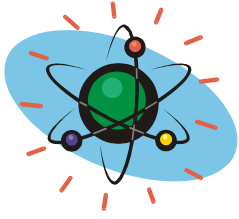


Across	Down
2. <i>when an atom is split</i>	1. <i>the inner part of an atom</i>
4. <i>when atoms join together to become one</i>	3. lagern
7. Brennstoff	5. <i>a dangerous accident that kills many people</i>
8. <i>to go around something</i>	6. <i>a building around a nuclear power station</i>
11. <i>the smoke that comes out of water when you make it very hot</i>	8. <i>to use over and over again</i>
12. <i>nuclear dust that moves in the atmosphere and comes down as rain</i>	9. <i>to make uranium better</i>
13. <i>one of the elements that make up water</i>	10. <i>a radioactive material found in rock</i>
14. Wärme	16. <i>a long stick used in a reactor</i>
15. Strom	
17. Strahlung	



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			C							O					
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	N					E			L			N			H
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Try to find 15 words that have to do with nuclear energy!

