

various parts of the world. 10 pays produisent 94 % de l'uranium extrait dans le monde : Canada, Australie, Kazakhstan, Niger, Russie, Namibie

Le reste de la production (moins de 20%) se partage entre petits producteurs tels notamment l'<u>Afrique du</u> <u>Sud</u>, l'<u>Ouzbékistan</u>, l'<u>Ukraine</u>, et les <u>États-Unis</u>.

Where can you find nuclear power plants?

_____On earth, to create electricity, on some military ships and submarines which have nuclear power plants for engines._____

1. How it works



	Energy ressources. Fossil fuels		Section Eur
2. The urar Explain the used to ma To run a nu To make a 1. Advanta	nium difference between the uranium u ke a bomb: clear plant, you need U- bomb, you need U-235. it is diff ges and disadvantages	used to run a nuclear plant and the ficult to make.	dranium
 Nuclear coal, so Does not dioxide, s greenhot Produces small am Produces Nuclear po 	Advantages: power costs about the same as it's not expensive to make. t produce smoke or carbon so it does not contribute to the use effect. s huge amounts of energy from nounts of fuel. s small amounts of waste. ower is reliable.	 Disadvantages: Although not much waste is produce very, very dangerous. It must be sealed up and buried for thousands of years to allow the rade to die away. For all that time it must be kept safe earthquakes, flooding, terrorists an everything else. This is difficult. Nuclear power is reliable, but a lot has to be spent on safety - if it does a nuclear accident can be a major of People are increasingly concerned in the 1990's nuclear power was the set of the set	ced, it is many ioactivity fe from d of money s go wrong, lisaster. about this -

2. Summary

- Nuclear power stations use uranium as fuel
- Sometimes called "atomic power"
- Non-renewable
- Heat from the reactor turns water into steam, which drives turbines, which drive generators
- Doesn't cause pollution unless something goes wrong

Quiz:

Is nuclear power renewable? (yes/no) no

Nuclear power stations use <u>uranium</u> as fuel. The need very little fuel compared to a fossilfuel power station, because there is much more <u>energy</u> in nuclear fuel.

The <u>chain</u> reaction inside the <u>reactor</u> vessel creates heat, which turns <u>water</u> into steam to drive turbines, which drive generators to make <u>electricity</u>.

The fuel <u>rods</u> are safe to handle before they go into the reactor, it's only when they come out that you need <u>robot</u> arms and heavy <u>shielding</u>.

<u>Nuclear</u> power stations do not create atmospheric pollution because they do not burn anything. However the small amount of <u>waste</u> they do produce is very <u>dangerous</u>.