

FACTORS AFFECTING THE SITTING OF A MUCLEAR POWER STATION

MATER large amounts of cooling water are needed at a nuclear power station. Although coal fired power stations are built next to rivers , nuclear power stations need at least twice as much water and should be sited on the coast or by an estuary.

SUPERCRID The supergrid of major electricity transmission lines, which are used to transport electricity around the country, is very expensive to build. A subject power station should be built as close as possible to the existing supergrid.

<u>POPULATION</u> leaks of radioactive materials and explosions like the one at Chernobyl in the U.S.S.R. are very dangerous and can have devastating effects over awide area. A nuclear power station should not be built too close to urban areas, especially major population certres like cities.

NATIONAL PARKS National parks and other areas of outstanding neture! besuty should be preserved if possible. A nuclear power station should not be built in an area where it is likely to spoil the scenery.

		factor by fa	ctor rather			
SITE A B C		Factors affe	cting location		-	
A B C	Water				TOTA	
B	AAGIGI	SoherBug		Factors affecting location Water Supergrid Population National Park		
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Explain w	hy your wo	rst olte was	not sultable			
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SITING A NUCLEAR POWER STATION . BE-BRIEF

m. Complete the following section by choosing the correct words from the list below:

leaks of materials and the possibility of explosions mean that a nuclear power station should not be located near a or any other major area. The waste materials are also difficult to deal with since they must be stored for a period of time. If possible the nuclear power stations should not be built in a park since they are areas of special

EXFERSIVE CHEAP URBAN BURAL CITY ESTUARY BADIOACTIVE PRAUTY CLOSE FAR NATIONAL SUPERGRID SHORT LONG

- b. Pritain is likely to expand the nuclear energy industry over the next few years, but is this the best policy? Which of the following statements are FCB and which are AGAINST nuclear power?

 FCB/AGAINST
- 1. Che tonne of uranium produces as much energy as 25000 tonnes of coal.
- 2. The accident at Chernobyl caused widespread environmental damage.
- 3. Energy demand is rising.
- 4. Uranium must be imported whilst Britain hAs a great deal of coal.
- 5. Coal and oil will eventually run out.
- 6. Coal fired power stations lead to acid rain.
- 7. Conservation in homes and industry may decrease energy needs.
- 9. Purning of fossil fuels may increase the Greenhouse Effect and lead to global warming.
-i0. Electricity produced at nuclear power stations is a little cheaper than that produced at conventional power stations.

NUCLEAR POWER STATIONS IN ENGLAND AND WALES : DE-BRIEF

	Nucleal fower					
	STATIONS	a. Briefly describe the distribution of				
	SELECTED ONES	muclear power stations shown on the map.				
) NAMES					
	Hartlepool					
	Sella Juda					
	Heyslam a					
W	ylla Michael	b. Give one argument in favour of				
•		building nuclear power stations and				
	5	one against.				
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_	c. Complete the following section by	choosing the correct word from the list				
,	below					
		have been built in coal areas;				
	these are areas that are not very we	ll endowed with coal. Most of the				
	of Britain does not have much coal a	nd many nuclear power stations are found				
	there. It is also best, where possible, to locate a nuclear power station as					
	far as possible away from major areas. There may be a danger of					
	leaks of materials or disasters such as the one at in					
	the former U.S.S.P. affecting areas					
		The of major electricity				
	transmission line is very					
		th se areas in deficit since electricty				
		cation is best located away from				
	. parks or areas of natural					
	relaxed recently and a nuclear power					
	beautiful scenery as in Snowdonia in					
	beautiful scenery as in Showdonia in	1				
	NORTH SOUTH NATIONAL DEFICE	IT RADICACTIVE CHEAP EXPENSIVE				

CHERNBYL MOSCOW SUPERGRID URBAN RURAL