UNIT 8: Energy Exercise 1: Working out meaning from context

## Read the text. Choose the correct responses. 1 The writer of the report works for Fosdrilla Ltd. True False According to the report, the public aren't safe from the risks of fracking. True False Pure, fresh water is used for fracking. True False 4 Flowback can cause disease if it gets into drinking water. True ( False 5 The biggest risk of using disposal wells is that it will poison the environment. True False 6 Waste water treatment has been banned in some countries. True False 7 The chemical bromide can be used to clean the roads. ( ) True False 8 The writer suggests that fracking should not be allowed.

### **Executive summary** This report is a thorough review compiled by an independent scientist for the Natural Resources Preservation Trust (hereafter NRPC). It considers the health and environmental risks posed by the industrial process of hydraulic fracking and the currently available treatment and disposal methods of the resulting waste. The report has been commissioned in order to evaluate the proposal submitted by

Fosdrilla Ltd to establish a fracking installation at Biscombe, UK.

True False

## READING & WRITING SKILLS Read the text again. Match the highlighted words with their definitions. You do not need all the words. fragments the rocks and releas banned which can be utilized for electr creation of fissures in the rock utilized are added to the water. During absorbs potentially harmful pol concentrations run-off hydrocarbons, and naturally oc contaminants are potentially di flowback people if they are exposed to t is released into the environmen 1 the keeping of goods in a particular place storage corrosive. It threatens to deple ecosystems or it can interact v treatment plants to create can-The seriousness of these risks 2 the process of using chemicals to clean or change carefully managed. Direct disp something treatment wells into bodies of clean water 3 qualities or circumstances which prevent something bad from happening safeguards 4 Underground subterranean 5 a material which makes the environment dirty and/or dangerous (2 possibilities) contaminants 6 The act of getting rid of or throwing away rubbish or waste disposal 7 not satisfactory or good enough for a purpose inadequate 8 a long vertical tunnel drilled deep into the ground, often to get access to underground water or gas well

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Exercise 3: Reading for detail

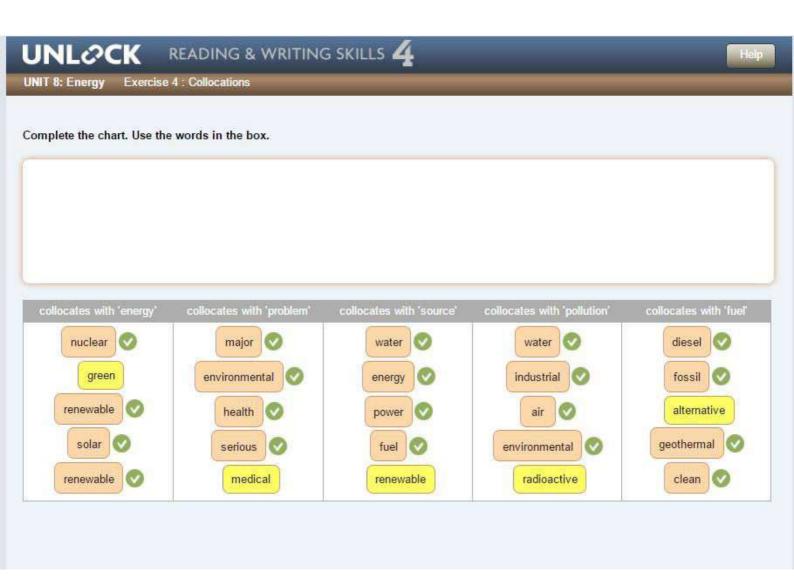
#### Read the text. Choose the correct issue(s) for each process.

	Expensive	Causes earth- quakes	Threat to water quality or the environment	Allows waste water to be reused
Discharging 🕜 flowback underground		~		
Water treatment	~		~	√
Storage and transportation of waste water	V		<b>V</b>	
Creating brine to O			~	

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## UNLOCK READING & WRITING SKILLS 4

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Exercise 5: Vocabulary

#### Choose the correct word to complete the sentences.

1	High safety	standards	ensure	that	nuclear	power	plants	produce	very	little



- 2 California and Utah are perfect places for solar energy plants as they both get a great deal of sun.
- 3 Flat areas of land are the most suitable for agricultural production as they allow large fields of crops to be planted and farmed.
- 4 Please wear a mask when handling this chemical. Inhaling toxic fumes can cause severe health problems.
- 5 Critics argue that the money being invested in finding more gas and oil reserves would be better spent investigating alternative energy sources.
- 6 Approximately 7 billion people worldwide have access to a water volume source such as a well or are supplied directly through pipes into the house.
- 7 Geothermal one energy is created by heat trapped under ground. Unlike many other types of energy, it doesn't cause pollution.
- 8 Air pollution is caused when carbon monoxide fumes from factories, cars etc. rise up into the atmosphere.



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Exercise 6: Academic vocabulary

Read the clues and then complete the crossword puzzle.



