

## GOOD IDEA

**READING IS** 



## **Antarctica LC2 Reading** Guided reading task

Year 8 Geography Department Reading homework.

mided READIN	6 Why is ice melt in Antarctica a problem?	7 How many scientific bases are there on Antarctica? Are all countries happy about this?	9 Where do most of the tourists visiti could make money from tourism in	
1 Is Antarctica a continent or a country? Where is it?	FINANCIAL TIMES  Antarctica is a continent with no	needs to exploit	ne fastest-growing source of new visitorslast	1 Which country spends the most on research in the O Antarctic? What are they researching? Who could benefit from this research?
2 What is the name of the organisation that meets to discuss issues in Antarctica and what is its role?	office with 10 workers in Buenos Aires, Argentina. It is the job of these 10 people who d work for the Antarcita Treaty System (ATS) to fi keep things running smoothly among the 53 T nations that together govern Antarctica. "One of the amazing things is that Antarcticals the only continent where people work together for peace and science," a says Jane Francis, head of the British Antarctic Survey. However, not everyone does agree on what	and the pace of glacial melting there will help U letermine how quickly global sea levels rise in ti ture.  A he number of permanent scientific research tations on the island has grown to more than A 55. China has built 4 bases and started cuilding a 5° before it had been properly approved. This made some other countries ingry that China is breaking the rules. he Southen Ocean, which surrounds puntarctica, is becoming a significant fishing St	me Beijing is investing heavily in missions to ntarctica, part of its plan to become a "polar reat power". China spends more on its ntarctic research programme than any other puntry. China is interested in the potential atural resources in Antarctica cluding gas and oil. At the moment mining is anned but only until 2048 when it might be ossible. Having a ground station near the bouth Pole can increase the accuracy oglobal	Why might South Africa need icebergs from     Antarctica? Why might a 'national' park in the ocean
3 What kind of topics does the ATS have to discuss?	meeting in Argentina there were a growing some number of topics that led to disagreements in including climate change and fishing.  Some of the other things they have to discuss a different control of the other things include rules for drone use. The discussion is a discussion of the other things include rules for drone use. The discussion is a discussion of the other than 100 years ago). More difficult discussions is include what happens when countries break thear rules, how tourism should be managed and	eas are depleted. And itplays a crucial role n absorbing heat and carbon from the timosphere, in ways that are not yet fully nderstood. an he number of visitorsto the region rose to nore than \$1,000 last seasonan increase of 7 per cent on the previous year. That number a is expected to keep growing. There are idready 33 tour boats and 20 more are being pi	f creating a marine 'national park' which will rotect the wildlife in the Oceans.	be a good thing?
4 Why is Antarctica so important to the world? What could Antarctica be used for?	be allowed (at the moment it is banned). At A stake is the last pristine continent, one that a contains the world's largest store of the freshwater, huge potential reserves of oil and p gas and the key to understanding how quickly well-mate change will impact theworld through a rising sea levels.  Antarctica is covered in an ice sheet up to a mile thick and represents a window into how the planet is changing.	untarctica involves stepping off the boat at just- in handful of highly regulated landing sites. But so there are loopholes in the system, such as visit visit of the system, such as visit of the system, such as visit of the visit of the system of the sys	udy in a lab. Species in Antarctica could be aluable to industries. But because no one fficially owns any part of Antarctica, who	1 How much does it cost to go to Antarctica on holiday? What fun activities can you do there?
	5 How thick is the ice in Antarctica?	8 Why are more people fishing in Antarctic waters?		

READIN	What is the economic argument NOT to drill for cill? What does 'hypothetical' mean?  What is the economic argument NOT to global argument NOT to look for cill in Antarctica?  What is the economic argument NOT to look drill for cill? What does 'hypothetical' for cill in Antarctica?  What is the economic argument NOT to look drill for cill? What does 'hypothetical' for cill in Antarctica?
What key word would you use to describe Antarctica (vocabulary sheet)?	The fight to save Antarctica  1 How could the problem be tackled? 0
2 What global issues could be made worse if Antarctica is exploited?	Antarctica is a pristine and unspoilt continent of great scientific value. In particular, it has a critical impact on the world's environment and ocean systems. This means that it must be left undisturbed, in order to allow further study of such critical international issues as climate change, ozone depletion, longrange weather  There are many reasons why oil and gas scituation is not under control. Even exploration should not be allowed in the legal fishing can do great damage thousands of seabirds die each year as a result of longline fishing. Not only should we not relax the Antarctic fishing regime, we should probably seek to tighten it further; the less legal fishing is allowed, the easier it will be to spot unlicensed activity.
What would the impact of melting ice be? On the sea and on the land?	forecasting and the operation of marine eco-systems (crucial to sustainable fishing). It is also essential to ensure that a polluted Antarctica does not undergo changes (e.g. melting of its ice caps, a breakup of its ice sheets) with a potentially disastrous global impact.  There is a danger in allowing a scientific elite to set the global agenda, without regard to either economic
What does the Antarctic Treaty set out to do? (Additional research opportunity)	logic or democratic accountability. If the Antarctic can help to provide additional resources for a rapidly growing world population, then we should be able to have an intelligent debate about the costs and benefits involved. In any case, scientific research does leave a footprint in Antarctica, for example the ice road the Americans are planning to blast and bulldoze through the continent to the bases at the South Pole, or the waste products of the many scientific bases on the confinent.  The increased human presence in this fragile environment, and from oil spills. Fishing is at present allowed under the 1991 Protocol, and has been increasing in recent years as overfishing is exhausting other global fisheries. Although much about the marine eco system of the southern ocean is still unknown, it is clear that overfishing could quickly damage it, and that any recovery could take decades. At present limits are set according to our current understanding of fish stocks, but there is a great deal of illegal activity by boats.
	from a variety of nations, so the  8 What are the risks to Antarctica in the search for oil?