

90814R



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

QUALIFY FOR THE FUTURE WORLD
KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

Level 2 Education for Sustainability, 2015

90814 Demonstrate understanding of aspects of sustainability in different contexts

2.00 p.m. Wednesday 2 December 2015
Credits: Four

RESOURCE BOOKLET

Refer to this booklet to answer the questions for Education for Sustainability 90814.

Check that this booklet has pages 2–7 in the correct order and that none of these pages is blank.

YOU MAY KEEP THIS BOOKLET AT THE END OF THE EXAMINATION.

RESOURCE A: GLOBAL FOOD SECURITY

Climate change has already cut into the global food supply, but governments seem unprepared to protect those most at risk, according to the most recent report from the United Nation's (UN) climate science panel, the Intergovernmental Panel on Climate Change (IPCC).

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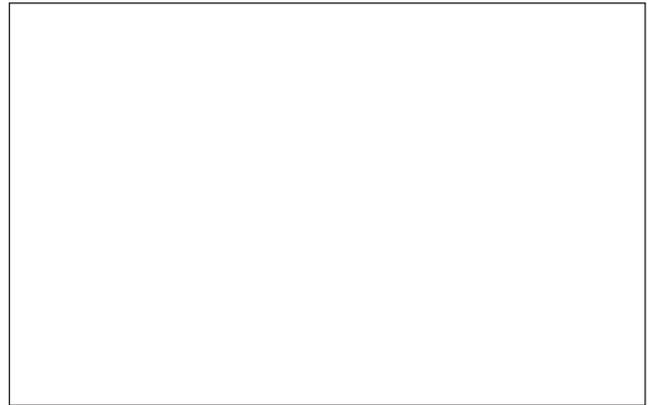


Image: Mick Tsikas/Reuters

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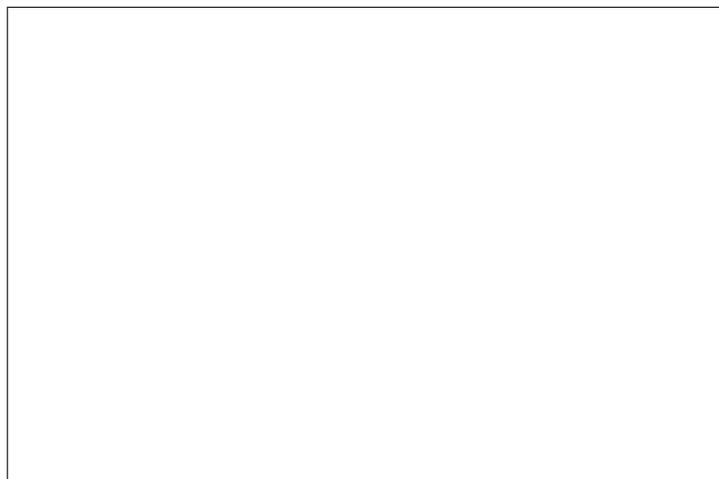


Image: Demotix



Image: Asif Hassan/AFP/Getty Images

“Governments across the world must stand up to the oil, gas, and coal industries, and take their foot off the fossil fuel accelerator that’s speeding us towards a climate disaster.”

Sources (adapted):

<http://www.un.org/climatechange/blog/2014/03/ipcc-report-severe-and-pervasive-impacts-of-climate-change-will-be-felt-everywhere/>

<http://www.theguardian.com/environment/2014/mar/31/climate-change-food-supply-un>

<http://www.theguardian.com/environment/2015/jan/16/2014-hottest-year-on-record-scientists-noaa-nasa>

<http://www.demotix.com/news/54755/wheat-crop-farmers#media-54746>

A. Tariq, M. Tabasam, K. Bakhsh, M. Ashfaq, S. Hassan, ‘Food Security in the Context of Climate Change In Pakistan’, *Pakistan Journal of Commerce and Social Sciences* vol. 8 (2) (2014), pp. 540–550.

RESOURCE B: ENVIRONMENTAL REFUGEES

The United Nations Environment Programme (UNEP) defines environmental refugees as “those people who have been forced to leave their traditional habitat, temporarily or permanently, because of a marked environmental disruption that jeopardised their existence and/or seriously affected the quality of their life.”

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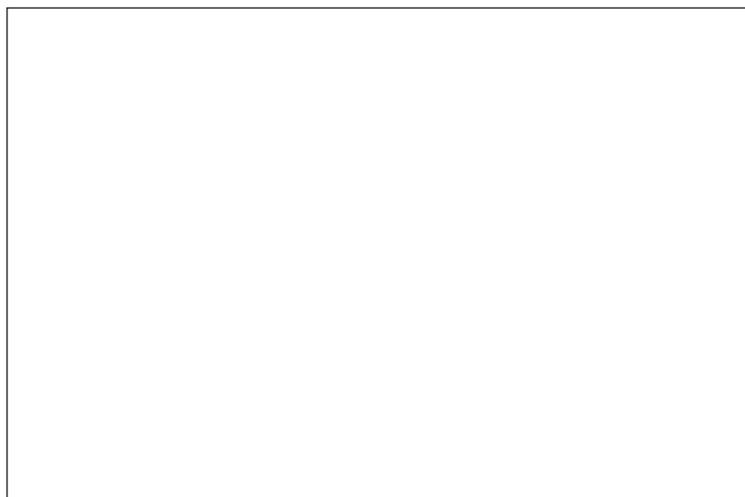


Image: Oxfam Australia

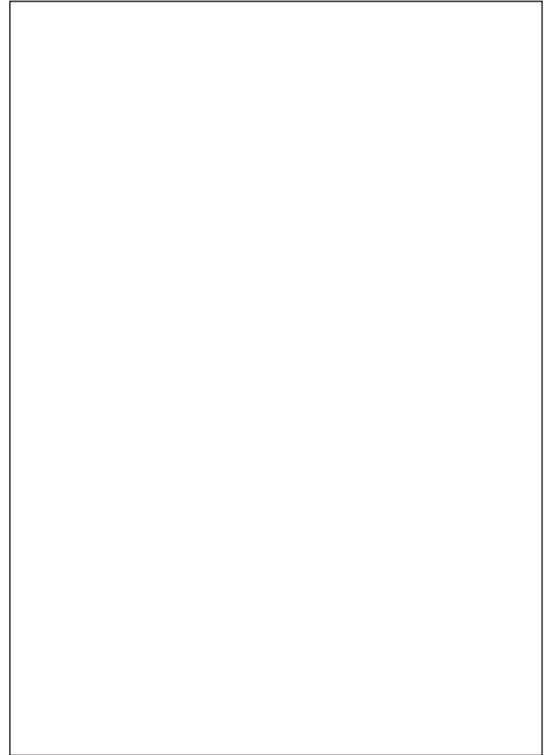


Image: Juriaan Booij

However, it avoided a clear decision of whether climate change can or cannot be reason enough to grant residency to refugees.

Sources (adapted):

http://www.pacific.one.un.org/index.php?option=com_content&task=view&id=137&Itemid=189

<http://geography.about.com/od/globalproblemsandissues/a/environmentalrefugees.htm>

<http://mashable.com/2014/12/04/kiribati-last-generation/>

<http://www.washingtonpost.com/blogs/worldviews/wp/2014/08/07/has-the-era-of-the-climate-change-refugee-begun/>

RESOURCE C: THE THREATENED ARCTIC ENVIRONMENT

During the past several decades, the Arctic has warmed at an alarming rate, and it is projected to continue to warm, with temperatures escalating to 13°C in the late autumn and 5°C in late spring by 2100.

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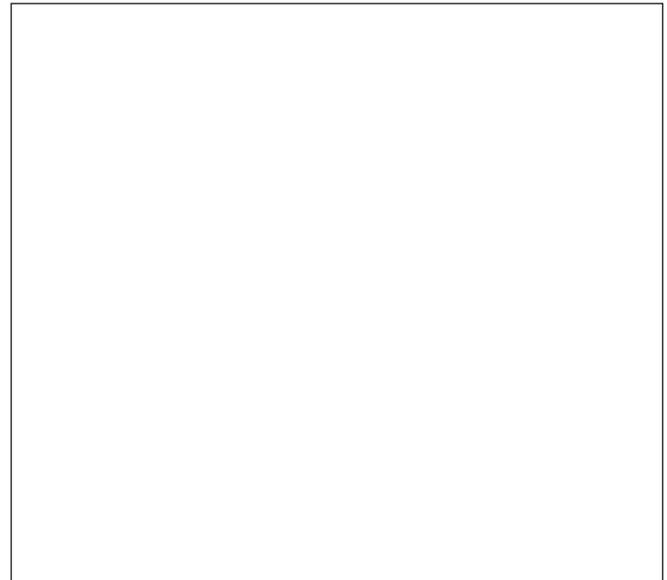


Image: Ansgar Walk

As many as 200 000 Alaskan residents may now be at risk from such fires, not to mention the catastrophic effects on wildlife.

Sources (adapted):

<http://www.theguardian.com/environment/2013/jul/24/arctic-thawing-permafrost-climate-change>

http://environment.about.com/od/biodiversityconservation/a/polar_bears.htm

<http://www.adn.com/article/20140527/thanks-beetle-killed-spruce-big-fire-kenai-peninsula-was-just-matter-time>

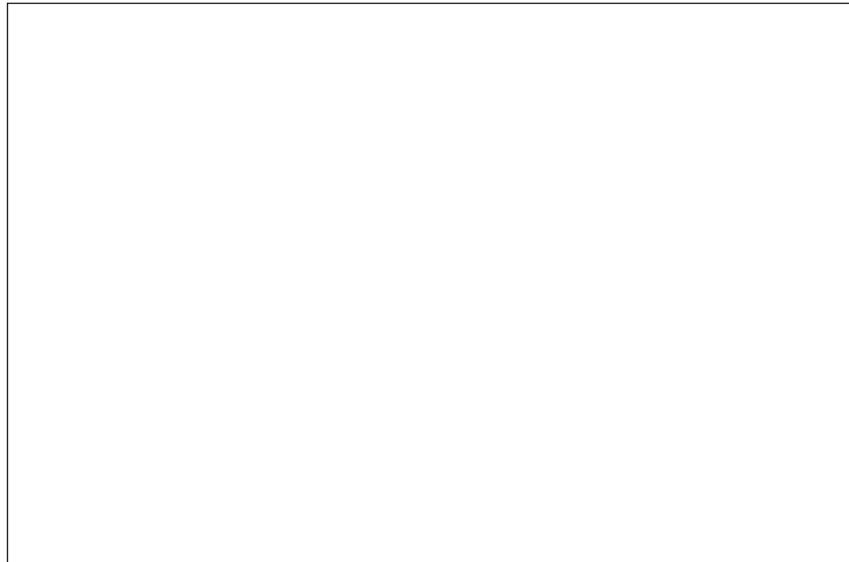


Image: Loren Holmes