



14th International Geography Olympiad

Belgrade, Serbia

2–8 August 2017

WRITTEN RESPONSE TEST

Resource Booklet

Do NOT open the Booklet before instructed to do so by a supervisor.

Do NOT write any of your answers in this Booklet.

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Written Response Test

Contributions from: Australia, Germany, Indonesia, Japan, Mongolia, New Zealand, Switzerland, Taiwan/China–Taipei and UK

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Section A: Geography of Sport

Figure A1: Location of Olympic zones for Summer Olympics in 2016 in Rio de Janeiro
 (<https://www.graphicnews.com/en/pages/34531/RIO-2016-Violent-deaths-in-Rio-de-Janeiro>).

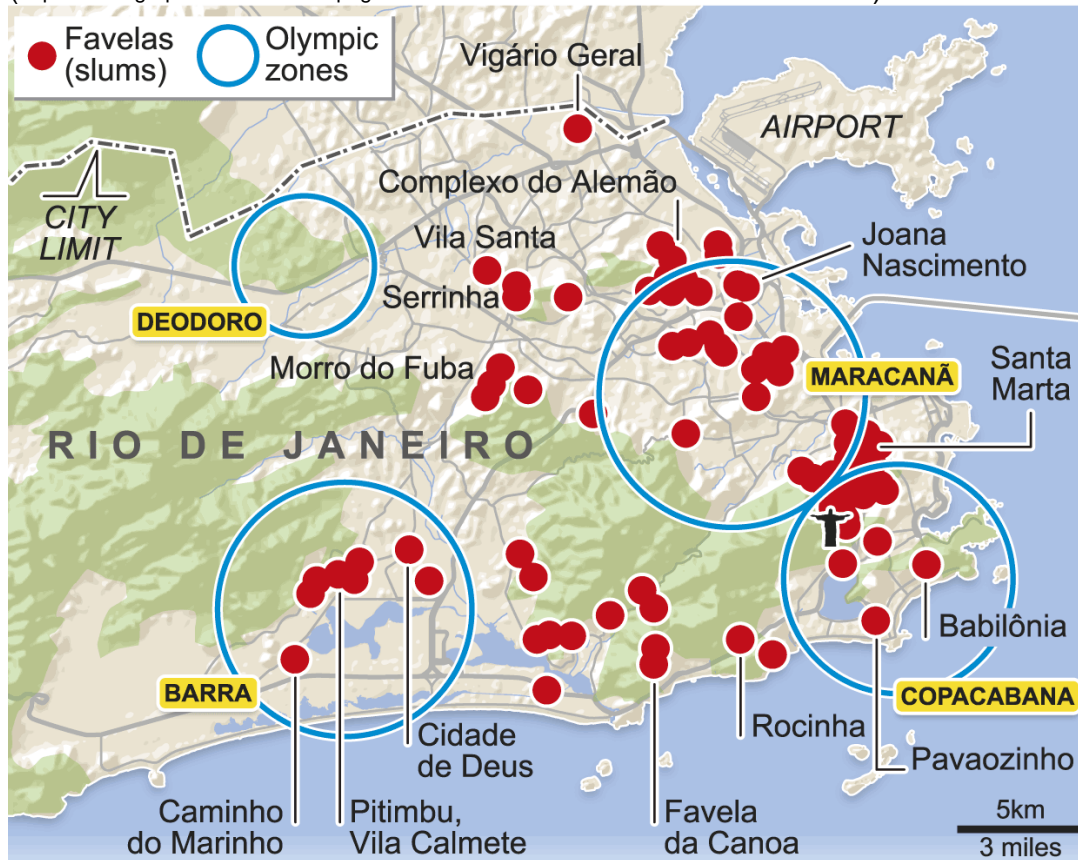
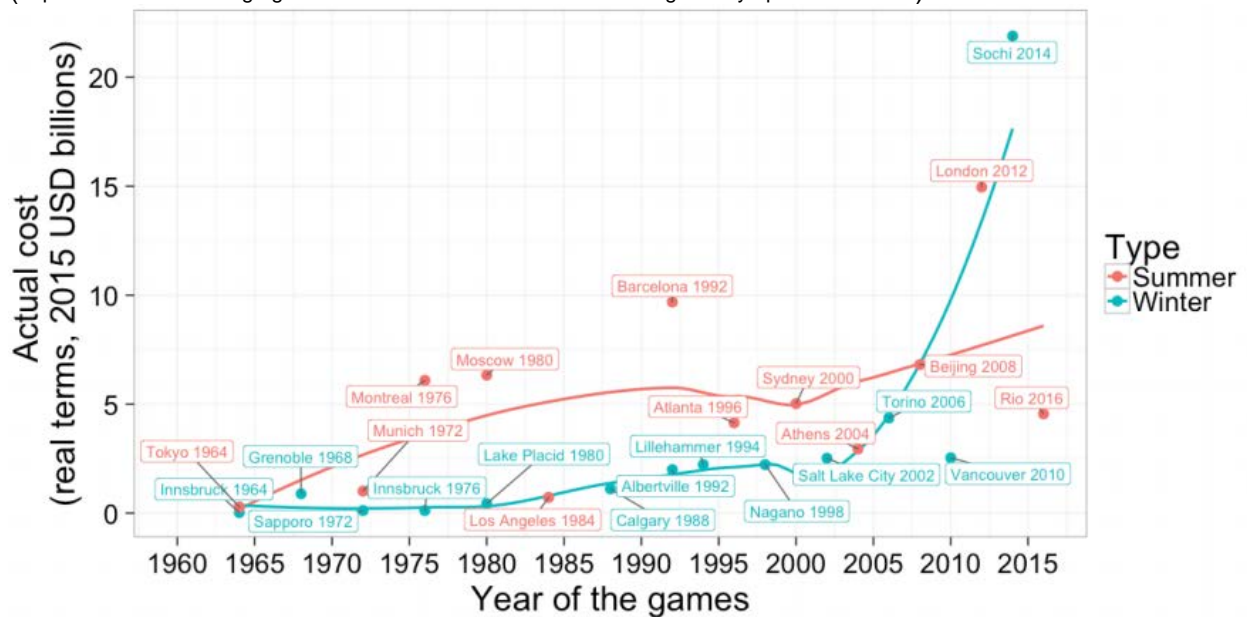


Figure A2: Time series of sport-related costs for Olympics 1960–2016
 (<https://www.weforum.org/agenda/2016/07/the-cost-to-cities-of-hosting-the-olympics-since-1964>).



Section B: Climate and Weather

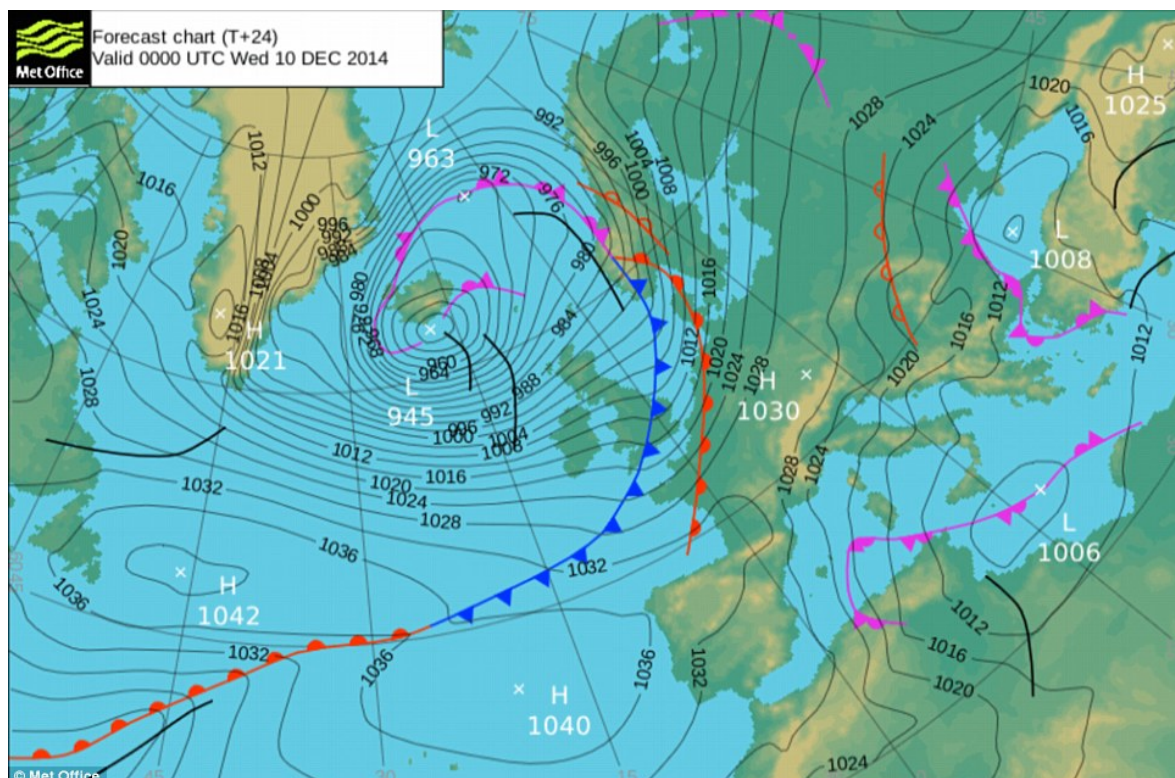
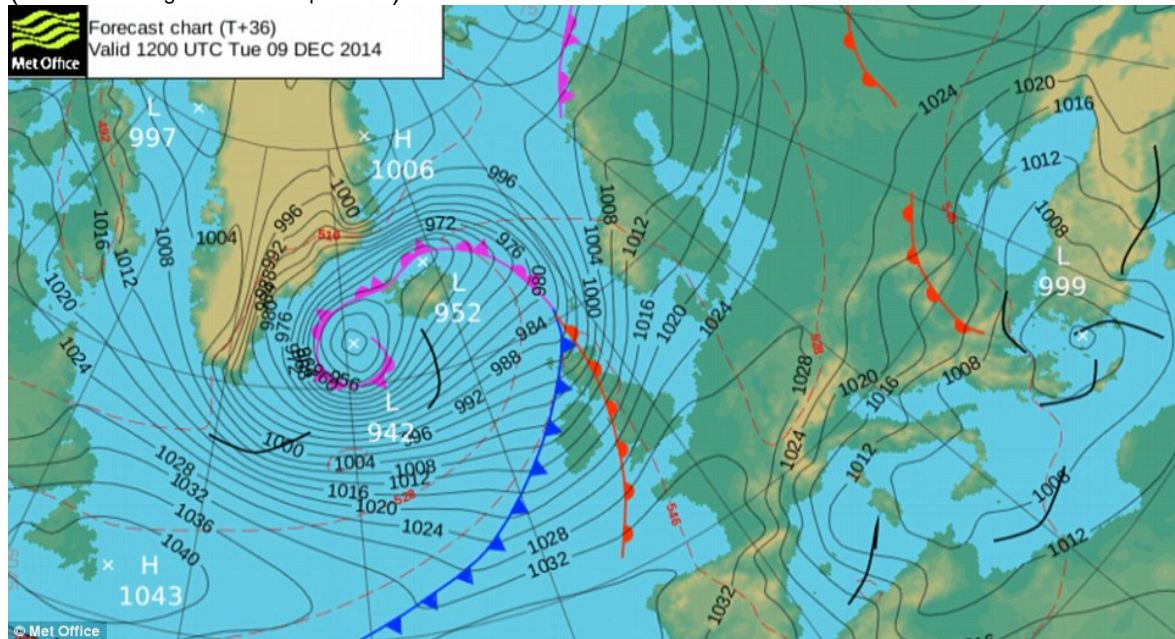
Table B1: The climate data for Addis Ababa, Ethiopia (9°1'48" N, 38°44'24" E; 2355 m above sea level)

(<https://en.climate-data.org/location/532>).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avg. Temp (°C)	15.4	16.6	17.9	17.9	18.0	17.0	15.9	15.8	16.2	15.7	14.8	14.9
Precipitation (mm)	17	39	66	86	84	118	256	263	161	34	8	11

Figure B2: Surface pressure maps of 9–10 December 2014

(www.metoffice.gov.uk/surface-pressure).



Section C: Transportation and its Environmental Impact

Figure C1: The dominant road networks, shipping lanes and airline routes around the world (<http://globaia.org/portfolio/cartography-of-the-anthropocene/#>).

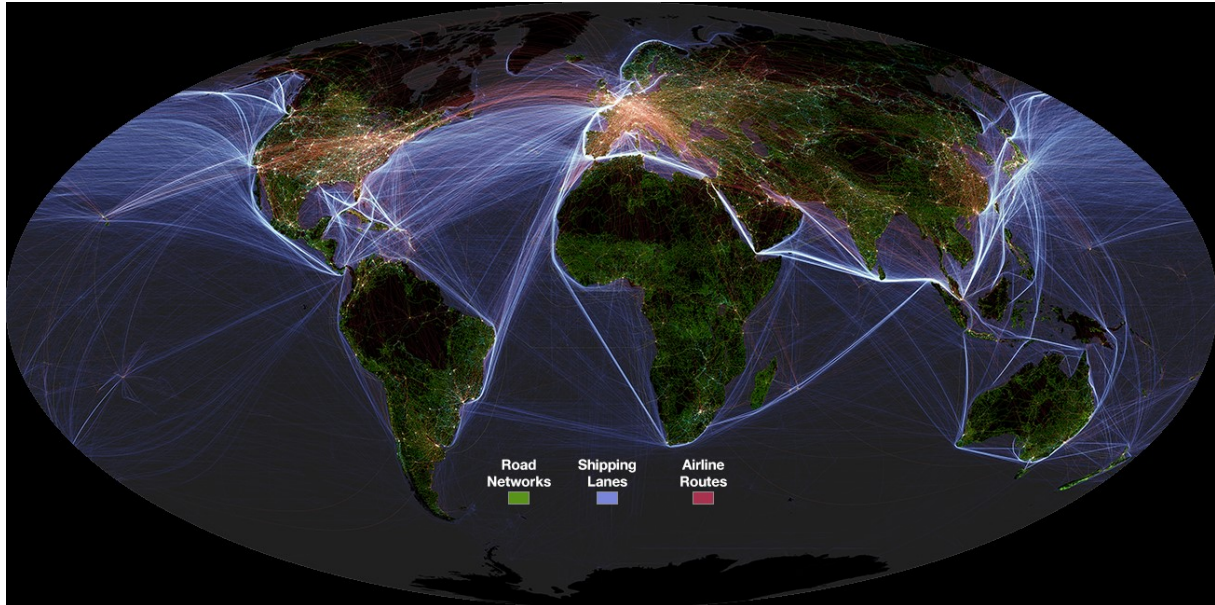
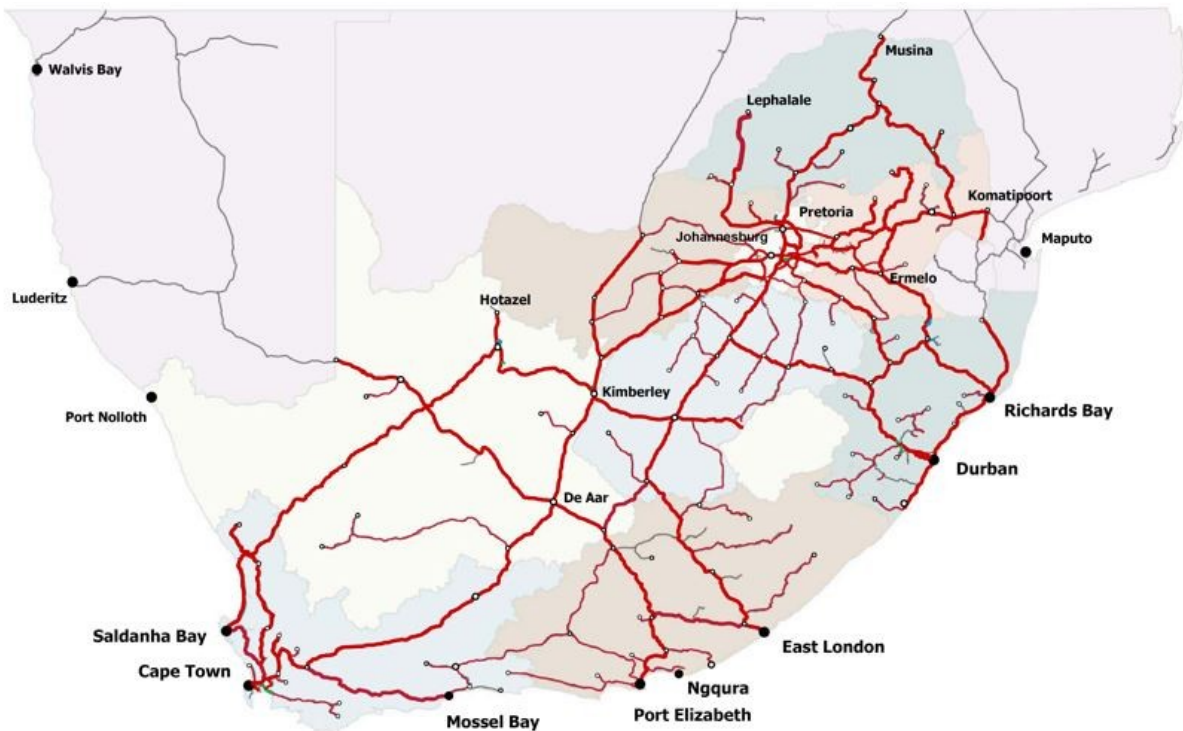


Figure C2: The rail network in South Africa (<http://www.gautengfreight.co.za/page/rail-infrastructure>).



Section D: Tides

Figure D1: High tide at Mont Saint-Michel, France, 2005, left
(<http://en.normandie-tourisme.fr/discover/normandy-must-sees/the-10-top-normandy-must-sees/mont-saint-michel-106-2.html>).

Figure D2: Low tide at Mont Saint-Michel, France, 2005, right
(<http://www.ulm.it/hangar/mix/beltrutto/lemont/msm.htm>).



Figure D3: Satellite imagery of Mont Saint-Michel, France, 2003
(<http://www.intelligence-airbusds.com/en/5751-image-detail?img=705#.WSFcWX20laQ>).



Figure D4: Artistic impression of a future tidal lagoon power plant, where an artificial lagoon is created within seawalls

(<http://www.tagesanzeiger.ch/wissen/technik/Staudaemme-am-Meeresgrund/story/16401678>).



Section E: Soil Degradation

Figure E1: ... in Pakistan

(<https://kenkenkenkenkenkenkenkenkenken.wordpress.com>).



Figure E2: ... in Iran

(<https://permaculturenews.org/2009/02/24/report-on-our-iranian-consultancy-trip-of-december-2008>).



Section F: Food Security

Figure F1: The trajectory of undernourishment in developing regions: actual and projected progress towards the World Food Summit (WFS) and Millennium Development Goal (MDG) targets

(<http://www.fao.org/hunger/key-messages/en>).

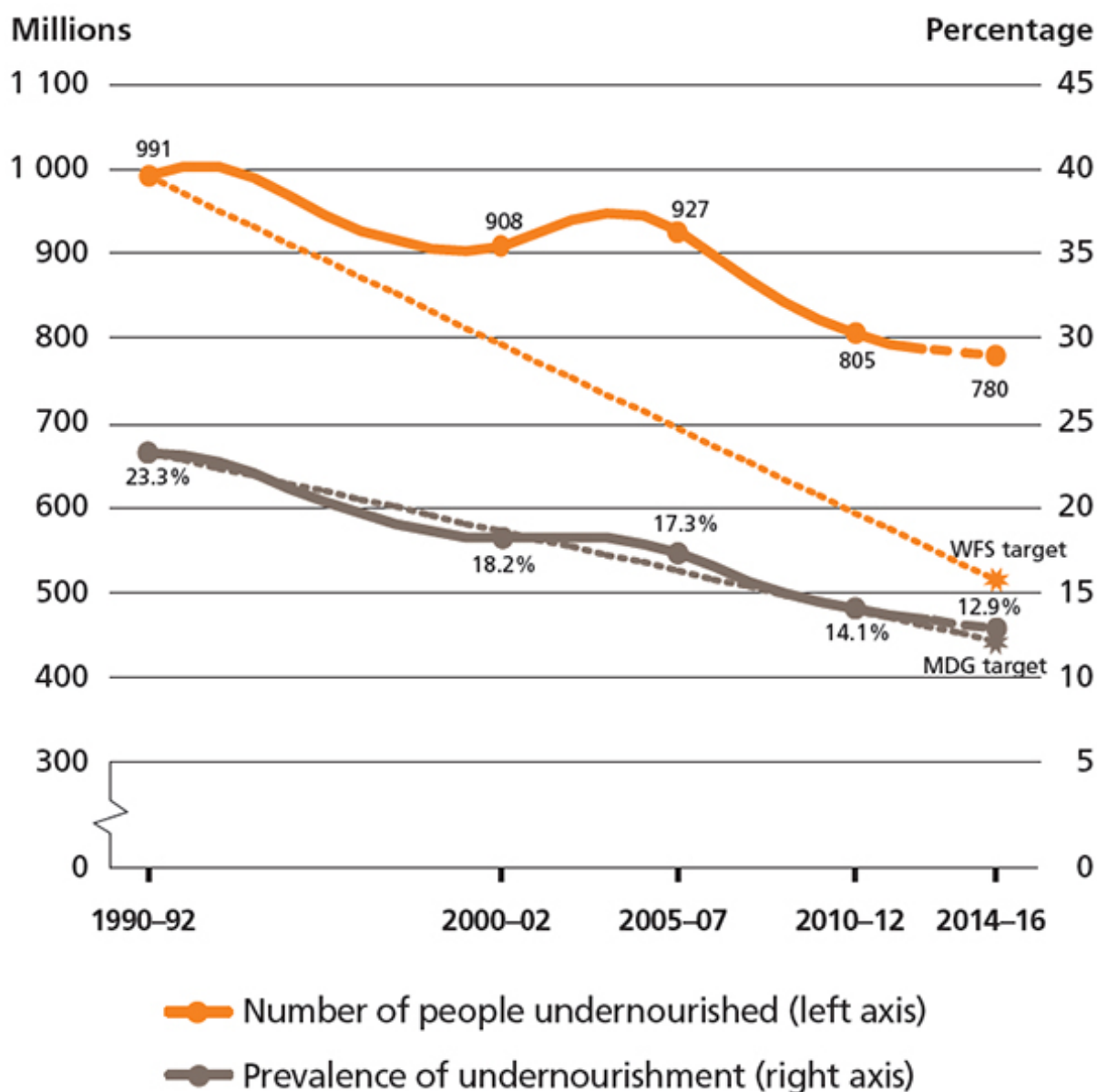


Figure F2: Nine influences on food security

(adapted from <http://oxfamblogs.org/wp2/wp-content/uploads/2014/03/oxfam-10-gaps-climate-preparedness-16001.jpg>).

