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Geography
Higher level and standard level
Paper 2 – resource booklet

Monday 9 November 2020 (morning)

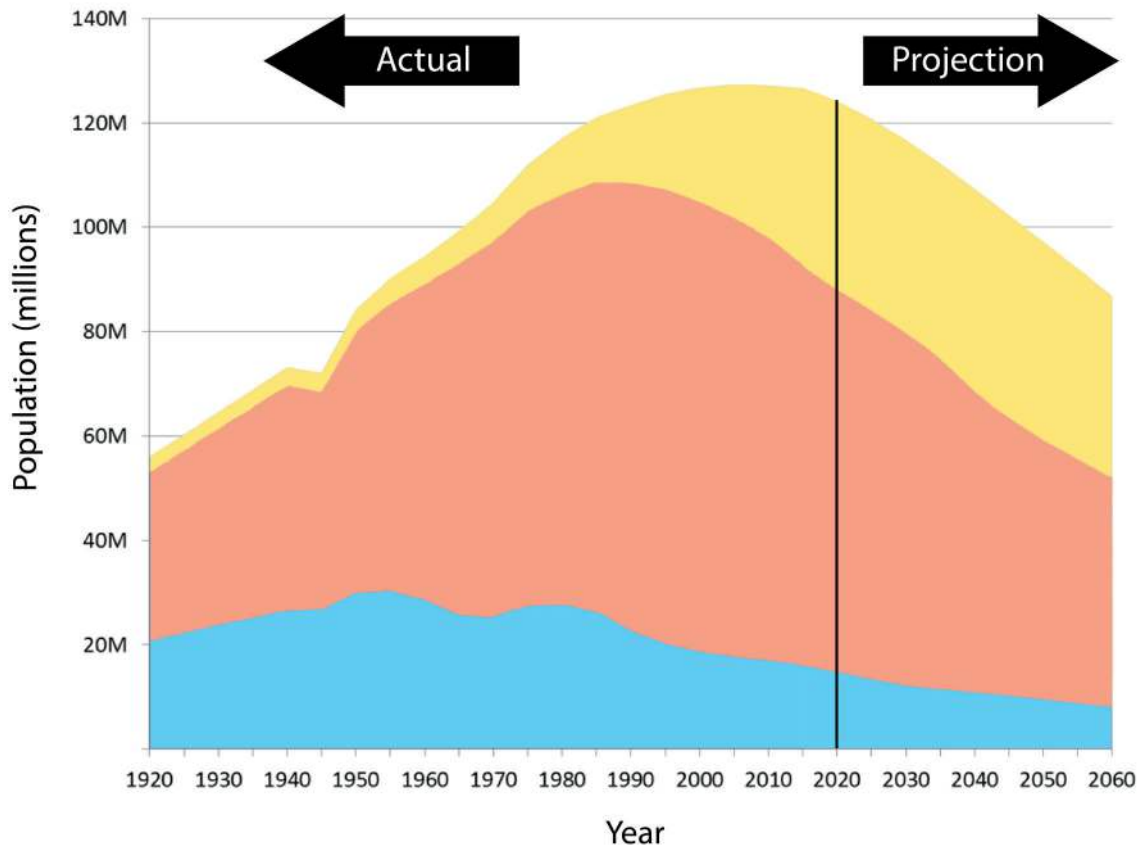
Instructions to candidates

- Do not open this booklet until instructed to do so.
- This booklet accompanies paper 2.

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1. Changing population

The graph shows the actual and projected population trends in Japan, from 1880 to 2100.

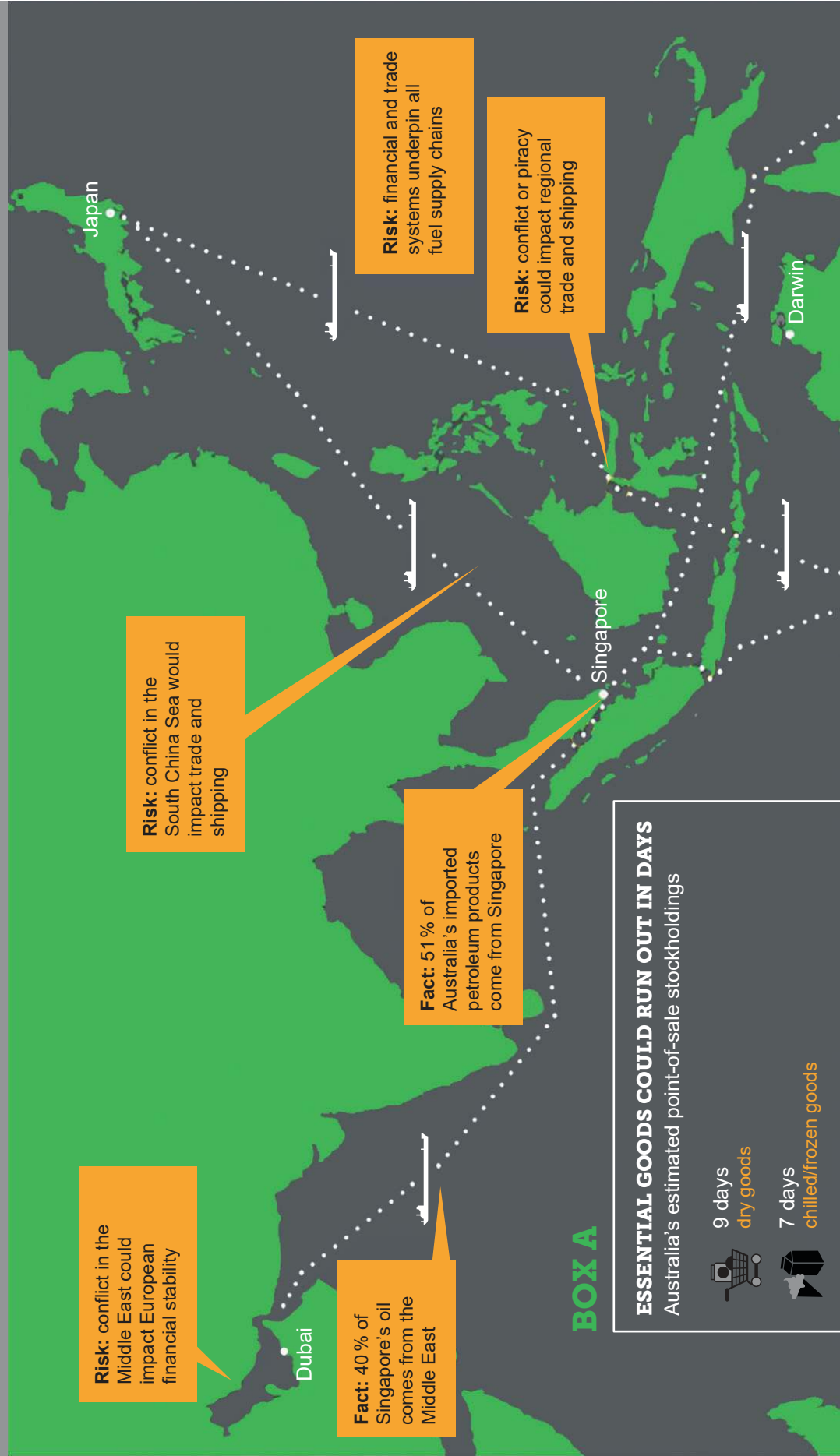


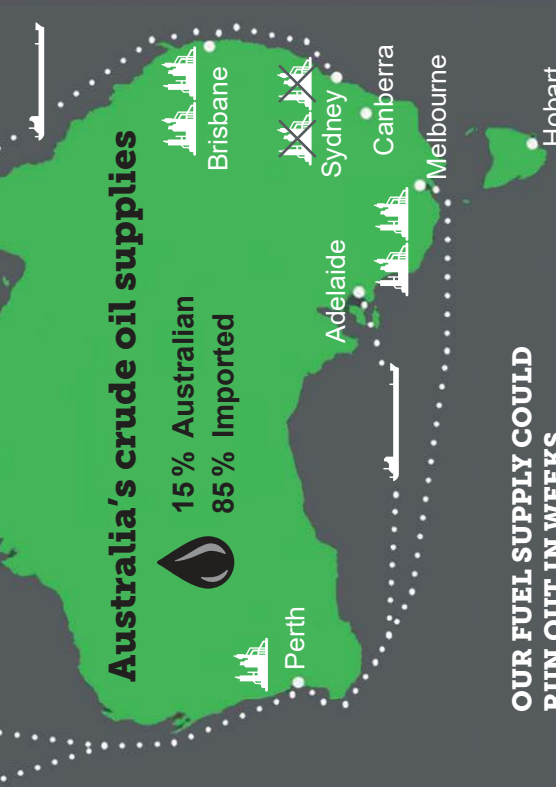
Turn over

- 4. The infographic has been produced by Australia's National Roads and Motorists' Association to show selected characteristics of Australia's energy security.

COULD AUSTRALIA'S TANKS RUN DRY?

As the world's ninth-largest energy producer, Australia has abundant renewable and non-renewable energy resources. Despite these resources, we are heavily dependent on imports of refined petroleum products and crude oil to meet our liquid fuel demand, and our import dependency has increased over recent years. Any major interruption to the supply chain would significantly impact our way of life.





OUR FUEL SUPPLY COULD RUN OUT IN WEEKS

- 2 weeks stocks at sea
- 5 days — 10 DAYS MAX. crude oil tanks at refineries
- 2 days refinery
- 10 days refinery stocks
- 3 days service station stocks
- 3 days motorist stocks



91% vulnerable

Declining local supplies and increasing imports of fuel products

Key:

- Refineries
- Closed refineries



NRMA is working with industry and community leaders calling for an effective plan to address fuel security vulnerabilities. Central to this is the development of non-oil based alternative fuels, electric cars and fast charging networks.

References:

1. Adapted from JonMcDonald, CC BY-SA 4.0 <https://creativecommons.org/licenses/by-sa/4.0>, via Wikimedia Commons.
4. Adapted from: Blackburn, J., *National Roads and Motorists' Association*, 2013. Could Australia's tanks run dry? Australia's liquid fuels security.