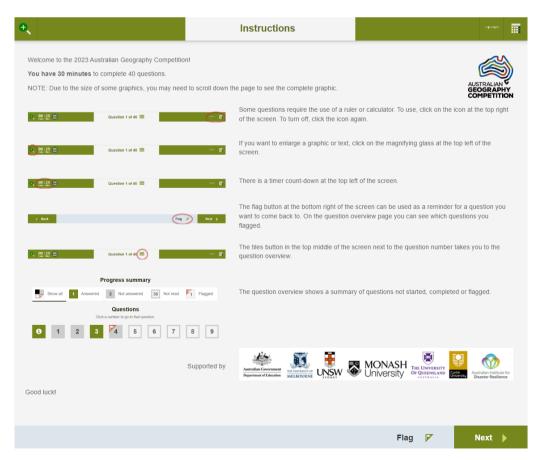


2023 Year 10 – answers



*note: on a question where this is more than one drop down to be answered, and only one list is visible, all answer options are the same for each of the drop downs



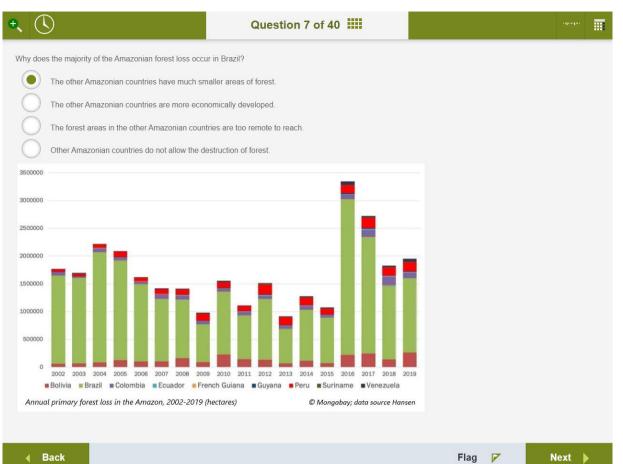
| • | Question 1 of 40 | | ntonton 🏢 |
|---|--|--------|-----------|
| What is meant by biodiversity? interconnected biological processes in an ecosystem diverse ways of looking at biology differences in the total mass of living organisms in ar the variety of living organisms and their ecosystems the variety of living organisms and their ecosystems Land and Sea use Change Including habitat loss and degradation) The five threats to biodiversity | area | | |
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| • | Question 2 of 40 | | |
| Image: Comparison of the set of the | n the correct answer in the image below. | | |

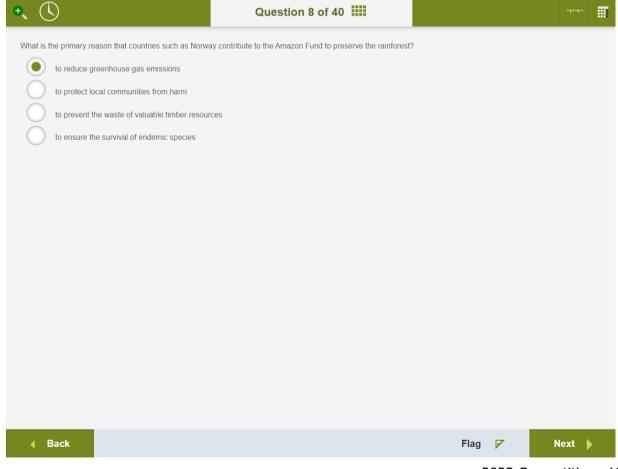
| | | uestion 3 of 40 | | |
|---|--|---|---|---------------------|
| Using the graphs below, which region v | was most successful in reversing it | s decline in biodiversity between 20 | 010 and 2016? | |
| North America | Asia/Pacific | Africa | 0 | Europe/Central Asia |
| Average change in the size of monitored ver | rtebrate species populations in the Living | g Planet Index, 1970-2016 | ି 🕲 🕲 | |
| ► By region Index value (1970 = 1) LAT. AMERICA / CARIBBEAN AFRICA | ASIA / PACIFIC | | EUROPE / CENTRAL ASIA | |
| - 94% | - 65% | - 45% - 33% | - 24% | |
| 1 Range | 1 | 1 | 1 | |
| 0 | 0 | 0 | 0 | |
| 1970 2016 1970 | 2016 1970 | 2016 1970 2016 | 1970 2016 | |
| Regional declines in the earth's biodi | iversity | | © WWF, CC | |
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| \square | Qu | uestion 4 of 40 | | |
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| vo those statements relating to biadiu | ersity changes between 1070 and | | the information in the graphs | |
| | ersity changes between 1970 and | | the information in the graphs | |
| correct drop-down word. | ersity changes between 1970 and | 2016 supported or unsupported by | the information in the graphs | |
| orrect drop-down word. | ersity changes between 1970 and | | the information in the graphs | |
| orrect drop-down word. Statement | | 2016 supported or unsupported by | the information in the graphs | |
| orrect drop-down word. Statement | | 2016 supported or unsupported by Supported/Unsupported | the information in the graphs | |
| orrect drop-down word. Statement 33% of North America's vertebrate spe | ecies have become extinct. | 2016 supported or unsupported by Supported/Unsupported | the information in the graphs | |
| orrect drop-down word. Statement 33% of North America's vertebrate spe Developing countries have suffered th | ecies have become extinct. le worst declines. | 2016 supported or unsupported by Supported/Unsupported Unsupported Supported | the information in the graphs | |
| orrect drop-down word. Statement 33% of North America's vertebrate spe Developing countries have suffered th | ecies have become extinct. le worst declines. | 2016 supported or unsupported by Supported/Unsupported Unsupported - | the information in the graphs | |
| orrect drop-down word. Statement 33% of North America's vertebrate spe Developing countries have suffered th China has improved its protection of b | ecies have become extinct. le worst declines. liodiversity. | 2016 supported or unsupported by Supported/Unsupported Unsupported Supported Unsupported Unsupported Unsupported | the information in the graphs | |
| orrect drop-down word. Statement 33% of North America's vertebrate spe Developing countries have suffered th China has improved its protection of b | ecies have become extinct. le worst declines. liodiversity. | 2016 supported or unsupported by Supported/Unsupported Unsupported Supported | the information in the graphs | |
| orrect drop-down word. Statement 33% of North America's vertebrate spe Developing countries have suffered th China has improved its protection of b The worst period for biodiversity loss h | ecies have become extinct. le worst declines. liodiversity. has been since 2010. | 2016 supported or unsupported by Supported/Unsupported Unsupported Supported Unsupported Unsupported Unsupported | | |
| correct drop-down word. Statement 33% of North America's vertebrate spe Developing countries have suffered th China has improved its protection of b | ecies have become extinct. le worst declines. liodiversity. has been since 2010. | 2016 supported or unsupported by Supported/Unsupported Unsupported Supported Unsupported Unsupported Unsupported | the information in the graphs | |
| correct drop-down word. Statement 33% of North America's vertebrate spe Developing countries have suffered th China has improved its protection of b The worst period for biodiversity loss h Average change in the size of monitored vert | ecies have become extinct. le worst declines. liodiversity. has been since 2010. | 2016 supported or unsupported by Supported/Unsupported Unsupported • Unsupported • Unsupported • Planet Index, 1970-2016 | | |
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| correct drop-down word. Statement 33% of North America's vertebrate special Developing countries have suffered th China has improved its protection of b The worst period for biodiversity loss h Average change in the size of monitored vert > By region Index value (1970 = 1) LAT. AMERICA / CARIBBEAN AFRICA - 94% | ecies have become extinct. le worst declines. iodiversity. has been since 2010. tebrate species populations in the Living ASIA / PACIFIC - 65% | 2016 supported or unsupported by Supported/Unsupported Unsupported Unsupported Unsupported Planet Index, 1970-2016 NORTH AMERICA - 33% | ව ඉ හ පurope / Central Asia | |
| correct drop-down word. Statement 33% of North America's vertebrate spe Developing countries have suffered th China has improved its protection of b The worst period for biodiversity loss h Average change in the size of monitored vert > By region Index value (1970 = 1) LAT, AMERICA / CARIBBEAN AFRICA | ecies have become extinct. le worst declines. liodiversity. has been since 2010. tebrate species populations in the Living ASIA / PACIFIC | 2016 supported or unsupported by Supported/Unsupported Unsupported Unsupported Unsupported Planet Index, 1970-2010 NORTH AMERICA | ව ඉ හ පurope / Central Asia | |
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| sorrect drop-down word. Statement 33% of North America's vertebrate spe Developing countries have suffered th China has improved its protection of b The worst period for biodiversity loss f Average change in the size of monitored vert > By region Index value (1970 = 1) LAT. AMERICA / CARIBBEAN AFRICA -94% 1 0 -94% 0 | ecies have become extinct. e worst declines. iodiversity. has been since 2010. tebrate species populations in the Living ASIA / PACIFIC - 65% - 7% - 7% | 2016 supported or unsupported by Supported/Unsupported Unsupported Unsupported Unsupported Unsupported Planet Index, 1970-2016 NORTH AMERICA | S S S EUROPE / CENTRAL ASIA - 24% - 24% - 24% | |
| By region Index value (1970 = 1) LAT. AMERICA / CARIBBEAN AFRICA - 94% Grange 0 Grand Content of the second conten | ecies have become extinct. e worst declines. iodiversity. has been since 2010. tebrate species populations in the Living ASIA / PACIFIC - 65% - 7% - 7% | 2016 supported or unsupported by Supported/Unsupported Unsupported Unsupported Unsupported Unsupported Planet Index, 1970-2016 NORTH AMERICA | S S S CENTRAL ASIA - 24% - 24% - 24% - 24% - 24% - 216 | |
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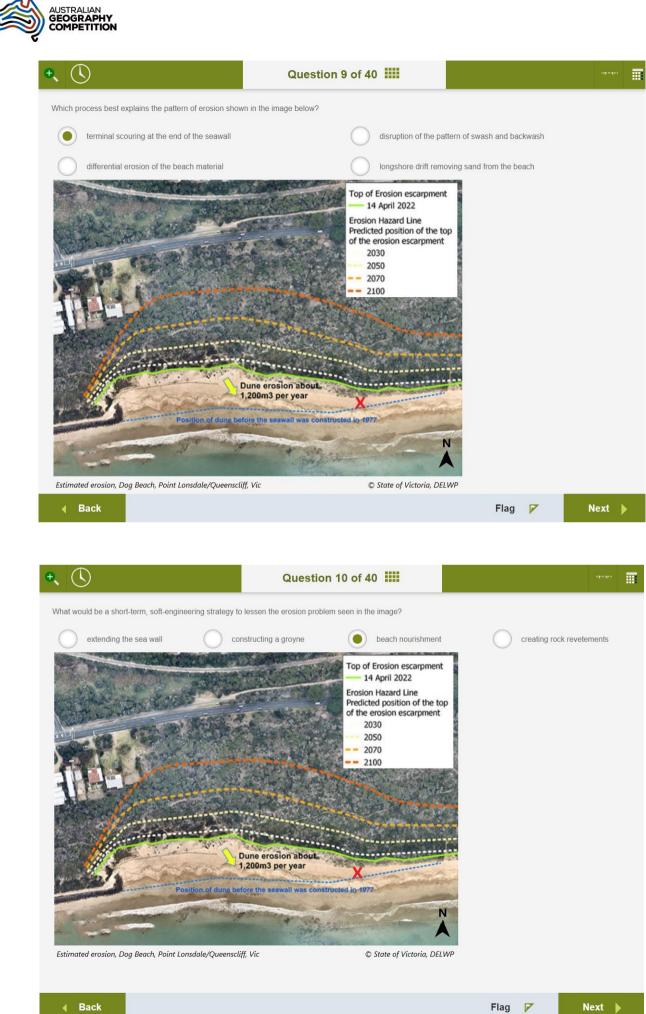






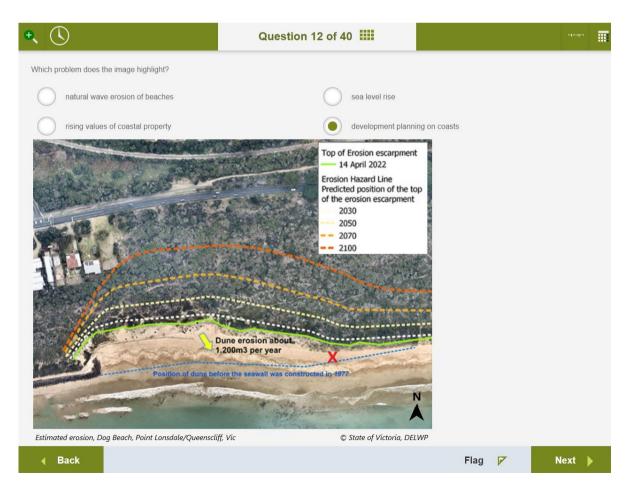






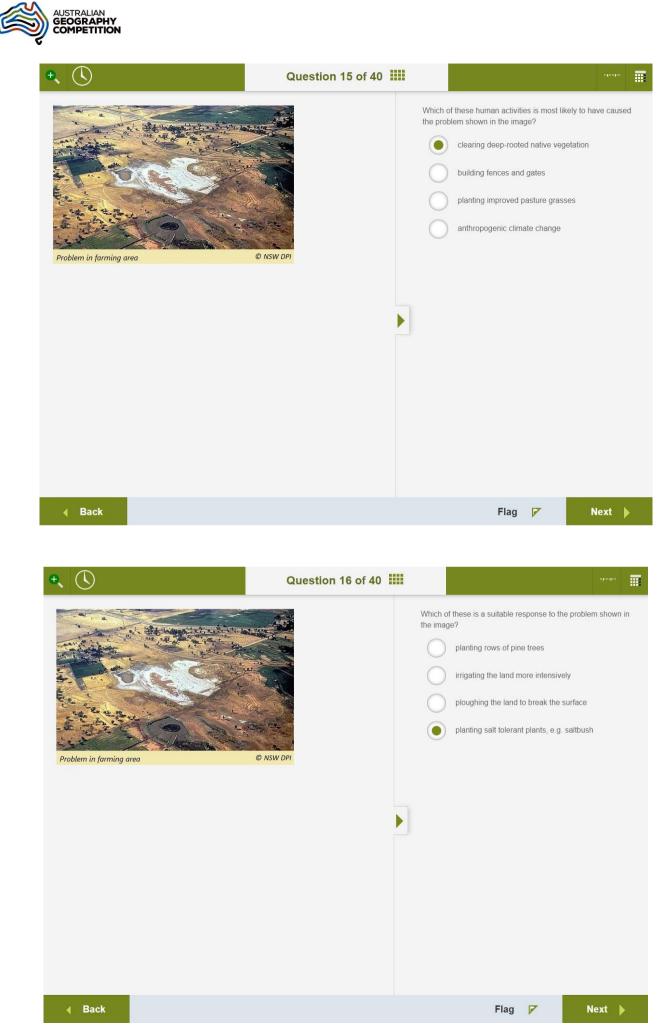








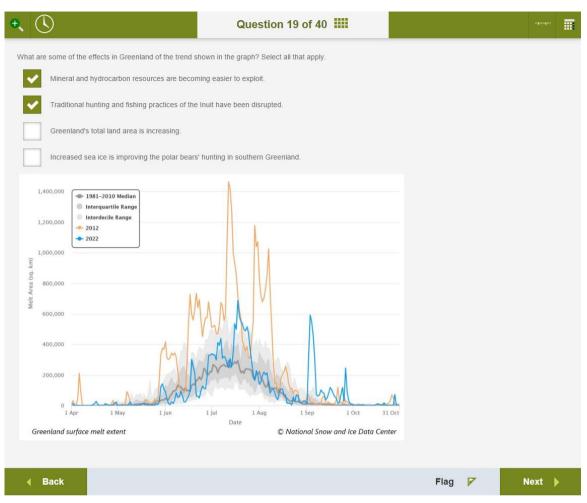
| + | Question 13 of 40 | | | | ≣ |
|--|--|----------------------|--------------|-----------------------|-----|
| Aboriginal peoples in Australia commonly manipulated th | ne land to enhance food availability through: | | | | |
| controlled burning | | | | | |
| irrigation systems | | | | | |
| crop rotation | | | | | |
| contour ploughing | | | | | |
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| | Question 14 of 40 | | | պապա | |
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| CSIRO has studied the wide-ranging benefits associated table. | I with Indigenous land management. Classify these benefits | by dragging and drop | ping the app | propriate text into t | the |
| | | | | | |
| Category | Benefit example | | | | |
| Health and well-being | Better diet reducing lifestyle risk factors | 6 | | | |
| Cultural and sociopolitical | Support for intergenerational transfer of | f knowledge | | | |
| Economic | Creation of saleable carbon credits | | | | |
| Environmental | Lower rates of weed infestation | | | | |
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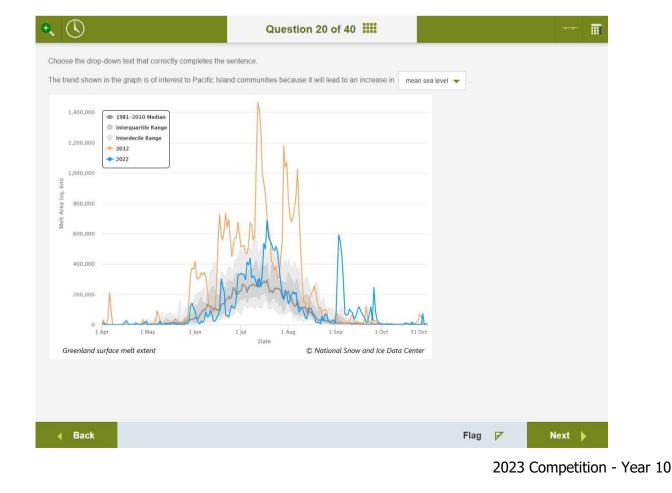


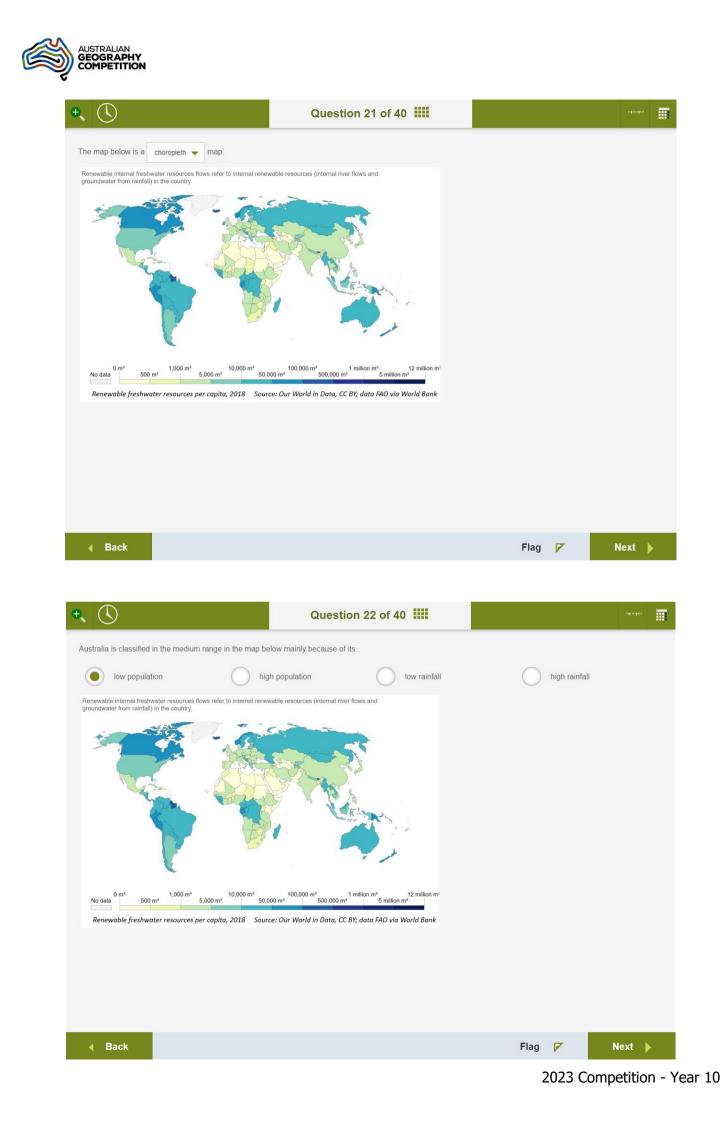
2023 Competition - Year 10

| Vertex Vertex <th>ite strial</th> <th>2</th> <th></th> | ite strial | 2 | |
|---|---------------|---|------|
| Using the graph below, which of these statements is true? The extent of ice melt in 2022 was greater than in 2012. The extent of ice melt in Greenland is naturally variable. The interdecile range is by definition smaller than the interquartile range. The extent of the ice melt increases each year. | | | |
| The extent of ice melt in 2022 was greater than in 2012. The extent of ice melt in Greenland is naturally variable. The interdecile range is by definition smaller than the interquartile range. The extent of the ice melt increases each year. | Flag | 7 | Next |
| The interdecile range is by definition smaller than the interquartile range. The extent of the ice melt increases each year: 1,400,000 1,200,000 1,000,000 1,000,000 | | | |
| The extent of the ice melt increases each year. | | | |
| 1,200,000 1,200,000 1,000,000 1,000,000 1,000,000 1,000,000 600,000 | | | |
| 200,000 0 Apr 1 May 1 Jun 1 Jul 1 Aug 1 Sep 1 Oct 31 Oct Greenland surface melt extent © National Snow and Ice Data Center | | | |











| • | Question 23 of 40 | | | |
|--|---|-------------------------|------|--|
| Which is the most significant limitation of the data show | n in the map? | | | |
| does not include country name labels | o does not show var | iation within countries | | |
| missing data for one country | does not show may | jor dams | | |
| Benevable internal feativation resources flows refer to internal rener Image: state internal feativation resources flows refer to internal rener Image: state internal feativation resources flows refer to internal rener Image: state internal feativation resources flows refer to internal rener Image: state internal feativation resources flows refer to internal rener Image: state internal feativation resources flows refer to internal rener Image: state internal feativation resources flows refer to internal rener Image: state internal feativation resources flows refer to internal rener Image: state internal feativation resources flows refer to internal rener Image: state internal feativation resources flows refer to internal rener Image: state internal feativation resources flows refer to internal rener | 000 m ³ ^{100,000} m ³ ¹ million m ³ ¹² million m ³ | | | |
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| • | Que | estion 24 of 40 | | ajaajaa | T |
|---|---|--|--------|---------|---|
| India experiences more water stress th | han Egypt. What information is missir | ng from the map that would explain this? | area | | |
| Renewable internal freshwater resources flow groundwater from rainfall) in the county. | s refer to internal renewable resources (internal | al river flows and | | | |
| | 100,000 m ³ 50,000 m ³ 500,00 capita, 2018 Source: Our World in Date | | | | |
| Back | | | Flag 🍞 | Next | > |



| + | Question 25 of 40 | | | | |
|--|---------------------------------------|----------------------------------|-------------------------|-------------|------------------|
| Which of these initiatives are most likely to help reduce the risk | k of water scarcity for residents? Se | lect all that apply. | | | |
| very cling water | | | | | |
| promoting water conservation measures | | | | | |
| privatising the water supply | | | | | |
| deregulating discharge from sewage treatment facili | ities | | | | |
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| • | Question 26 of 40 | | | | |
| | | nd drop these state p lowest. | es in order from highes | st Human De | evelopment (HDI) |
| | | Western Australia | a | | |
| | | New South Wales | s | | |
| | | Victoria | | | |
| | | South Australia | _ | | |
| > 0.960 | | | | | |
| 0.960 — 0.950 0.950 — 0.940 | | | | | |
| C.940 Human Development Index (HDI) scores by state, 2021 | | | | | |
| © A Hunter, CC BY SA 4.0; data Global Data Lab | | | | | |
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| • | Question 27 of 40 | | alaataa 🛄 |
|---|--|-----------------------------------|---------------|
| Interview of the second sec | Which of the indicators that score compared to the othe life expectancy at expected years o mean years of sc gross income per | t birth f schooling hooling | n Australia's |
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| • () | Question 28 of 40 | | |
| Drag and drop the Human Development Index (HDI) scores to corre | ectly match the countries below. | | |
| | | | |
| Country HDI score | | | |
| Afghanistan 0.478 | | | |
| Fiii 0.730 | | | |

| Drag and drop the Hu | man Development Index (HDI) scores to correctly match the countries below. | | | |
|----------------------|--|------|---|--------|
| | | | | |
| Country | HDI score | | | |
| Afghanistan | 0.478 | | | |
| Fiji | 0.730 | | | |
| Switzerland | 0.962 | | | |
| USA | 0.921 | | | |
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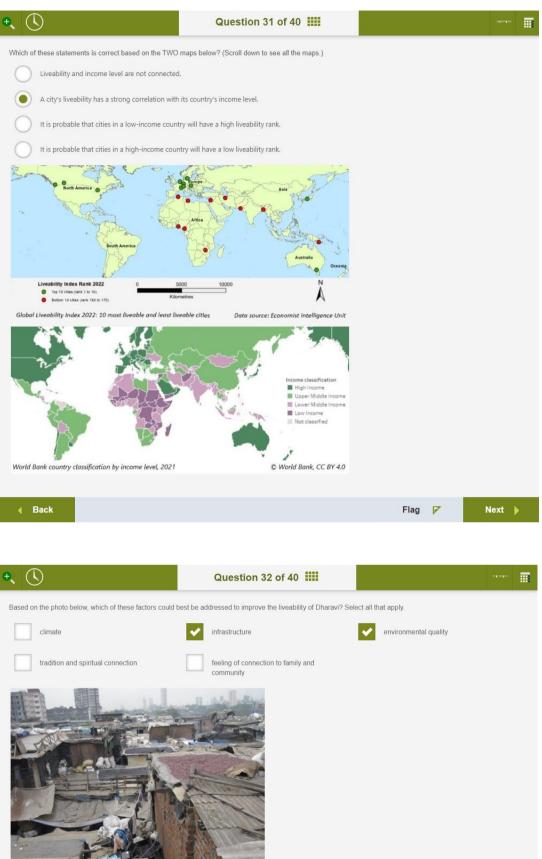


| The EIU Liveability Inc classify the selected fa | dex is another way of measuring the quality of life. It measure actors. | s 30 factors in 5 categories. Drag and drop the | category | into the tabl | le below to corr | ectly |
|---|--|---|----------|---------------|------------------|-------|
| | | | | | | |
| С | ategory | Selected factor | | | | |
| | Healthcare | Availability of over-the-counter drugs | | | | |
| | Education | Public education indicators | | | | |
| | Infrastructure | Quality of water provision | | | | |
| | Culture & environment | Social or religious restrictions | | | | |
| | Stability | Threat of civil unrest/conflict | | | | |
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Dharavi, Mumbai, India

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Flag 🔽



Total Population

Stage 1

Demographic transition model

Stage 2

Stage 3

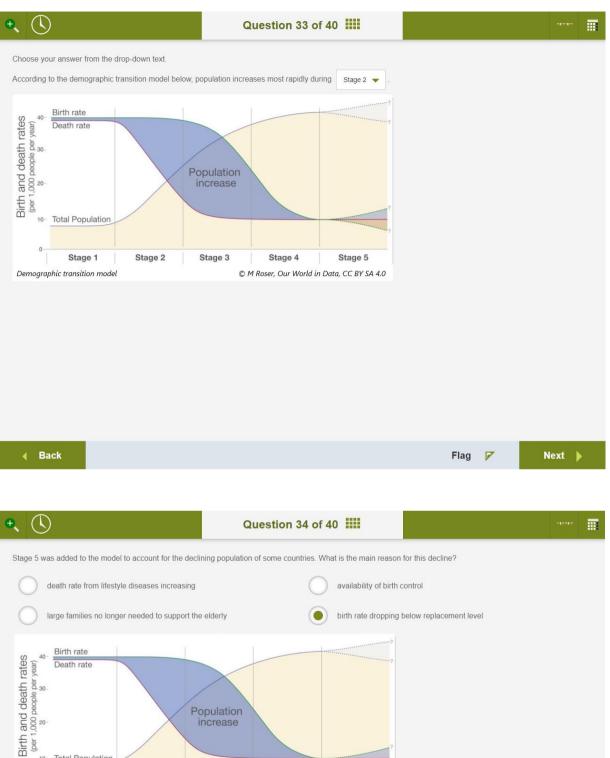
Stage 4

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Stage 5

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