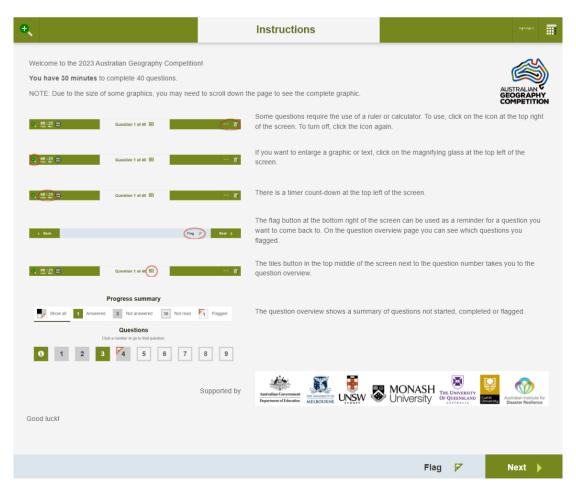
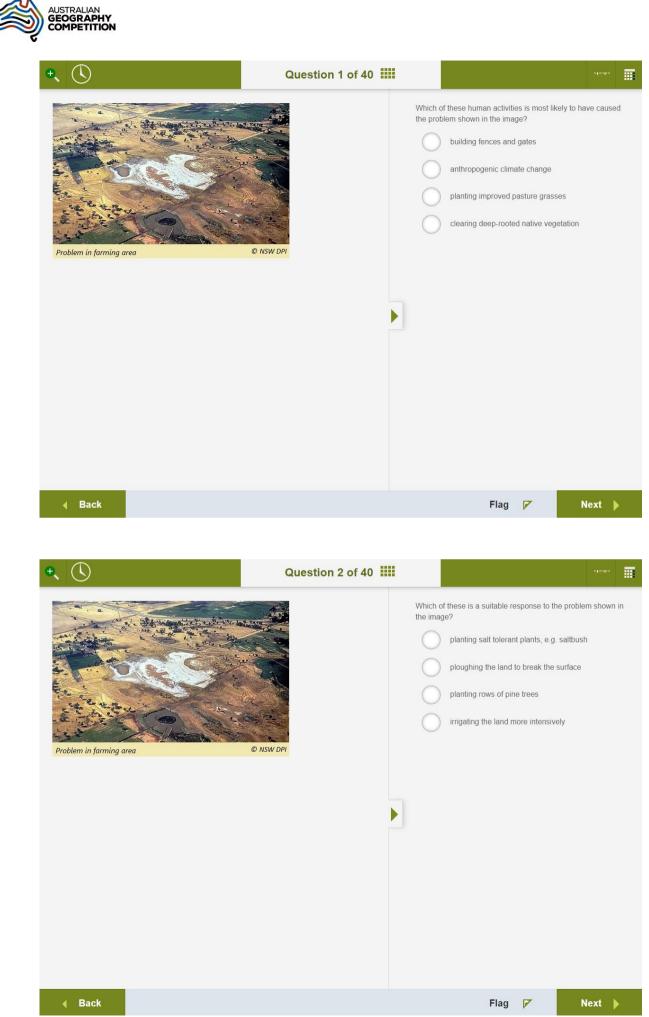


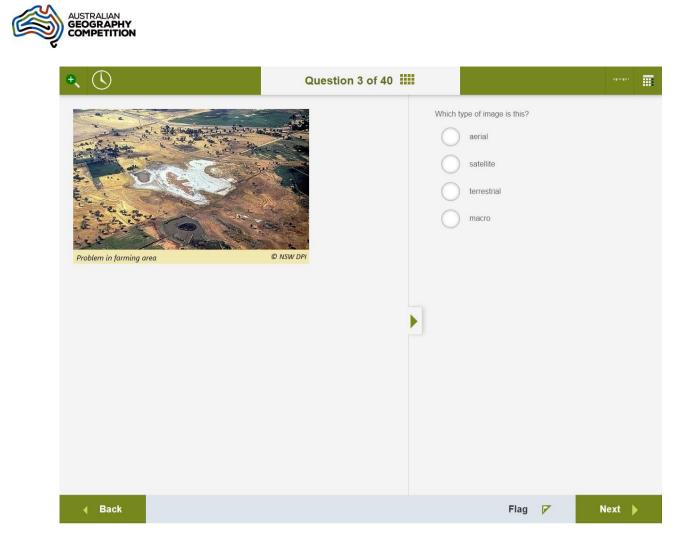
2023 Year 12

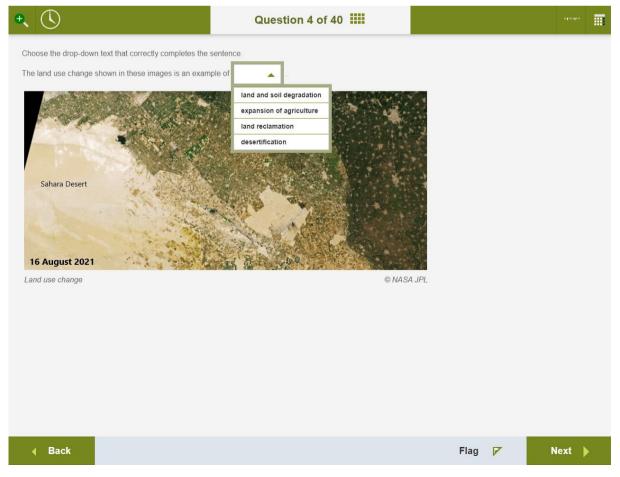


*note: on a question where this is more than one drop down to be answered, and only one list is visible, all answer options are the same for each of the drop downs

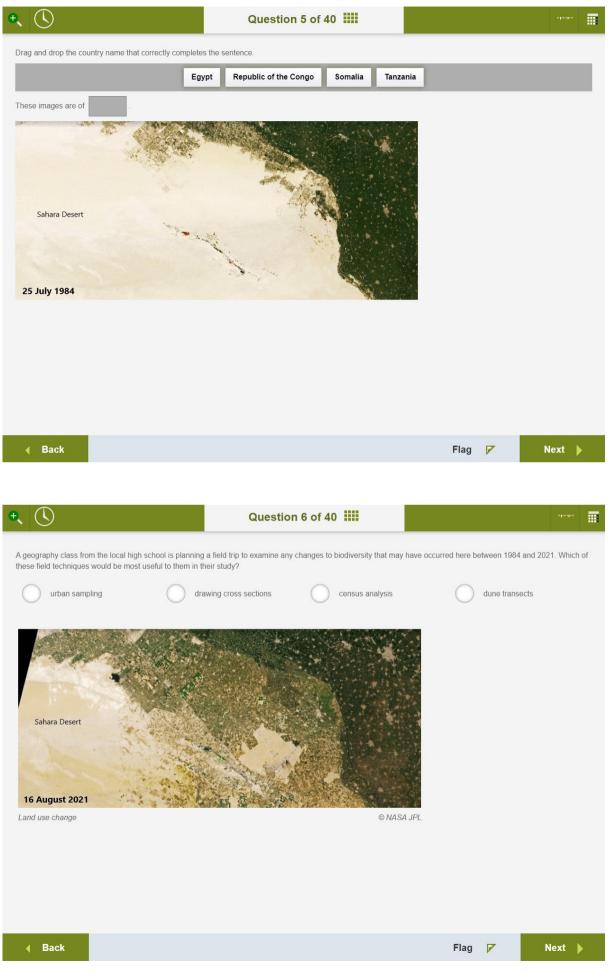


2023 Competition - Year 12

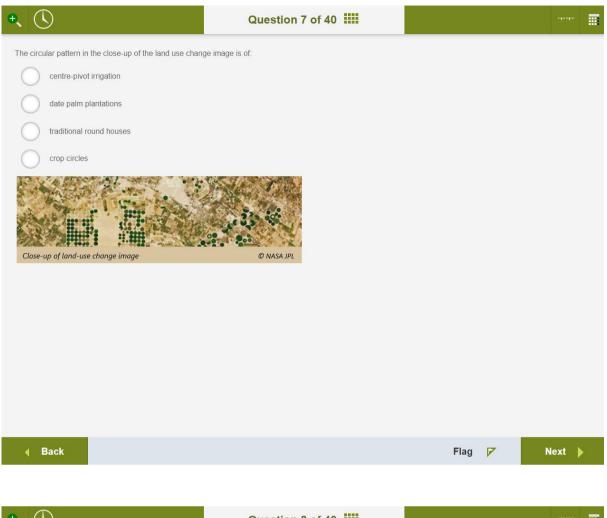


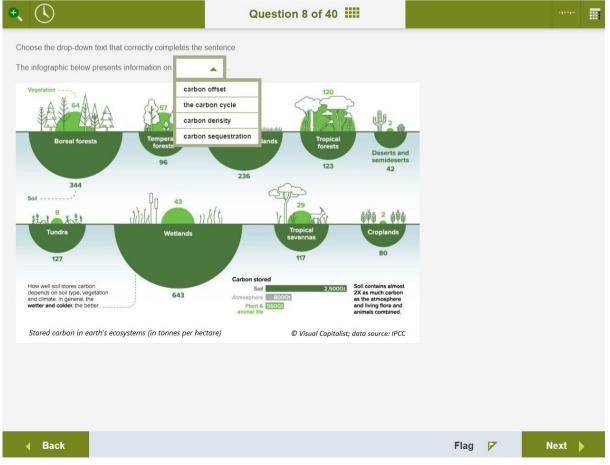






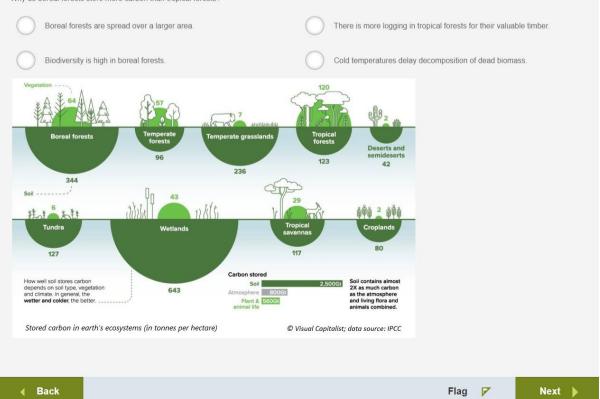








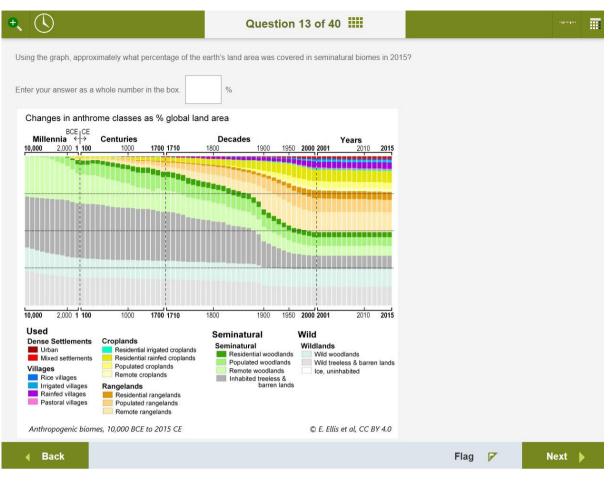






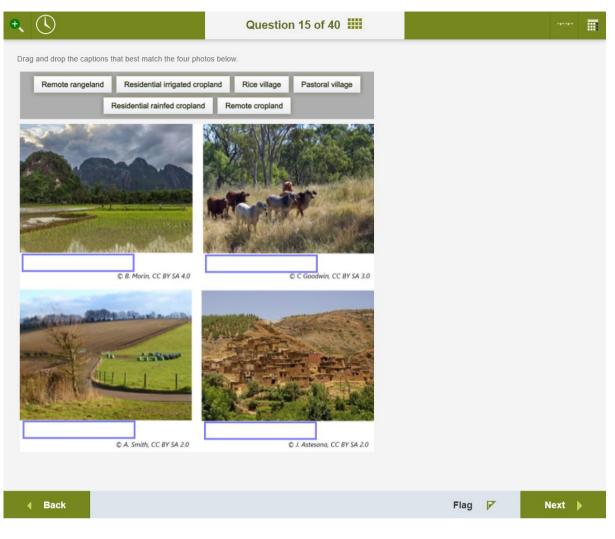
₽,	\bigcirc	Question 11 of 40	
Whi	ch of these processes release carbon into the atmos	phere? Select all that apply.	
	burning off		
	deforestation		
	photosynthesis		
	plant respiration		
	Back		Flag 🏹 Next 🕨
Đ,	\bigcirc	Question 12 of 40	aman 🎹
e ,	\bigcirc	Question 12 of 40	alindan 🏢
	ng the graph, which of these biomes has reduced the	e most in area since 1800?	
Usir	residential rainfed croplands	e most in area since 1800? sidential woodlands populated woodlands	
Usir	residential rainfed croplands res	e most in area since 1800? sidential woodlands populated woodlands id area	
Usir (residential rainfed croplands residential rainfed croplands Changes in anthrome classes as % global lan BCE_CE Millennia ← > 0,000 2,000 1 100 100 1700 1710	e most in area since 1800? sidential woodlands populated woodlands	
Usir (residential rainfed croplands residential rainfed croplands Changes in anthrome classes as % global lan BCE_CE Millennia ← > 0,000 2,000 1 100 100 1700 1710	e most in area since 1800? sidential woodlands populated woodlands id area Decades 1950 2000 2001 Years 1800 1900 1950 2000 2001 2010 2015	
Usir (residential rainfed croplands res Changes in anthrome classes as % global lan BCE CE Millennia < +> Centuries 0,000 2,000 1 100 1000 1700 1710	e most in area since 1800? sidential woodlands populated woodlands id area Decades 1950 2000 2001 Years 1800 1900 1950 2000 2001 2010 2015	
Usir (residential rainfed croplands res Changes in anthrome classes as % global lan BCE CE Millennia * + > Centuries 0,000 2,000 1 100 100 1700 1710	e most in area since 1800? sidential woodlands populated woodlands id area Decades 1950 2000 2001 Years 1800 1900 1950 2000 2001 2010 2015	
Usir (residential rainfed croplands res Changes in anthrome classes as % global lan BCE CE Millennia < +> Centuries 0,000 2,000 1 100 1000 1700 1710	e most in area since 1800? sidential woodlands populated woodlands nd area Decades 1900 1950 2000 2001 Years 1800 1900 1950 2000 2001 2010 2015	
Usir (residential rainfed croplands res Changes in anthrome classes as % global lan BCE CE Millennia * + > Centuries 0,000 2,000 1 100 100 1700 1710	e most in area since 1800? sidential woodlands populated woodlands nd area Decades 1900 1950 2000 2001 Years 1800 1900 1950 2000 2001 2010 2015	
Usir	residential rainfed croplands res Changes in anthrome classes as % global lan Millennia * (+)* Centuries 0,000 2,000 1,100 1000 1700 1710	e most in area since 1800? sidential woodlands populated woodlands nd area <u>Decades</u> 1900 1950 2000 2001 Years 1900 1950 2000 Years 1900 1950 2000 Years	
	residential rainfed croplands res	e most in area since 1800? sidential woodlands populated woodlands nd area <u>Decades</u> 1900 1950 2000 201 2010 2015 1800 1900 1950 2000 2001 2010 2015 Seminatural Wild	
Usir (1 - - -	residential rainfed croplands res changes in anthrome classes as % global lan Millennia € +> 0,000 2,000 1 100 1000 1700 1710 0,000 2,000 1 100 1000 1700 1710 Used Dense Settlements Urban U	e most in area since 1800? sidential woodlands populated woodlands nd area Decades 1900 1950 2000 2001 2010 2015 1800 1900 1950 2000 2001 2010 2015 Seminatural Vild Seminatural Vild Wildlands Pepulated woodlands Wild woodlands Wild woodlands Wild woodlands	
Usir (1 - - -	residential rainfed croplands res	e most in area since 1800? sidential woodlands populated woodlands d area Decades 1900 1950 2000 2001 2010 2015 1900 1950 2000 2001 2010 2015 Seminatural Wild Seminatural Wild Mildlands Mildlands Mildlands Mildlands	
	residential rainfed croplands res	e most in area since 1800? sidential woodlands populated woodlands ad area Decades 1900 1950 2000 2001 2010 2015 1800 1900 1950 2000 2001 2010 2015 Seminatural Vild New Seminatural Vild Vildands Peopulated woodlands Peopulated woodlands	
	residential rainfed croplands res	e most in area since 1800? sidential woodlands populated woodlands ad area Decades 1900 1950 2000 2001 2010 2015 1800 1900 1950 2000 2001 2010 2015 Seminatural Vild New Seminatural Vild Vildands Peopulated woodlands Peopulated woodlands	
	residential rainfed croplands res Changes in anthrome classes as % global lan Millennia	e most in area since 1800? sidential woodlands populated woodlands the area Decades 1900 190 200 201 201 201 Decades 1900 190 200 200 201 201 201 Decades 1900 190 200 200 201 201 201 Seminatural Populated woodlands Presidential woodlands Presidential woodlands Presidential woodlands Presidential woodlands Presidential moodlands Presidential moodlands	



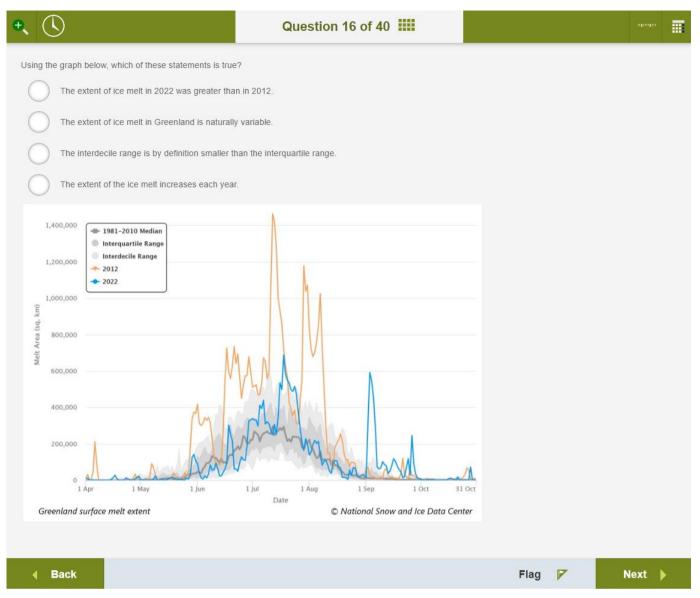


Which of these best defines the word 'anthrome'? a major vegetation community that is the result of sustained human activity a major ecosystem that has been replaced by human settlements a biome whose area is artificially constrained by human-made boundaries a major terrestrial ecosystem that is found across different continents	•	Question 14 of 40										
a major ecosystem that has been replaced by human settlements a biome whose area is artificially constrained by human-made boundaries	Which of these best defines the word 'anthrome'?											
a biome whose area is artificially constrained by human-made boundaries	a major vegetation community that is the resul	t of sustained human activity										
	a major ecosystem that has been replaced by human settlements											
a major terrestrial ecosystem that is found across different continents	a biome whose area is artificially constrained to	by human-made boundaries										
	a major terrestrial ecosystem that is found acre	oss different continents										
			_									
✓ Back Flag Next Next			Flag 🚩 N	lext 🕨								

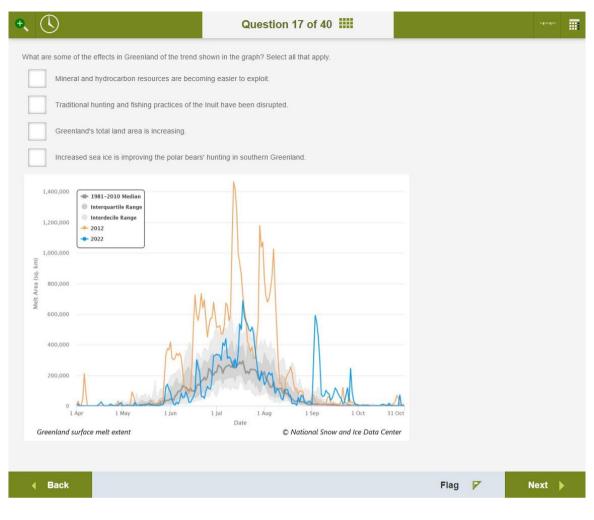


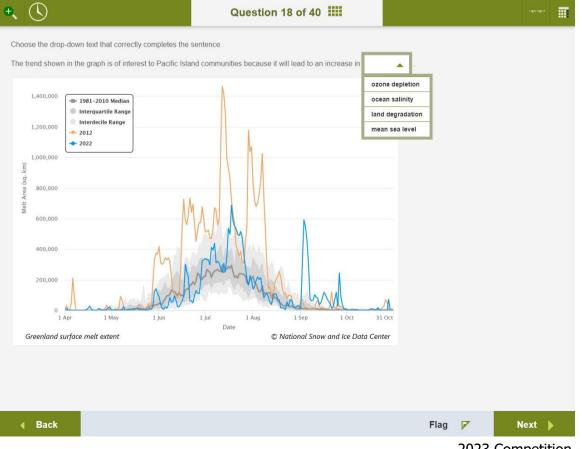








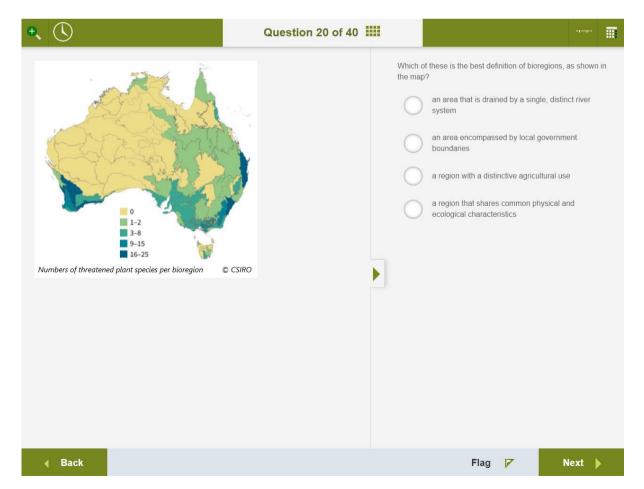




2023 Competition - Year 12



•	Question 19 of 40	
Image: state of threatened plant species per bioregion © CSIRO		on the map, which of these is the best predictor of high pris of threatened plant species?) close to population centres) close to the coast) located in the tropics) located in high-rainfall areas
		Flag 🍞 Next 🕨





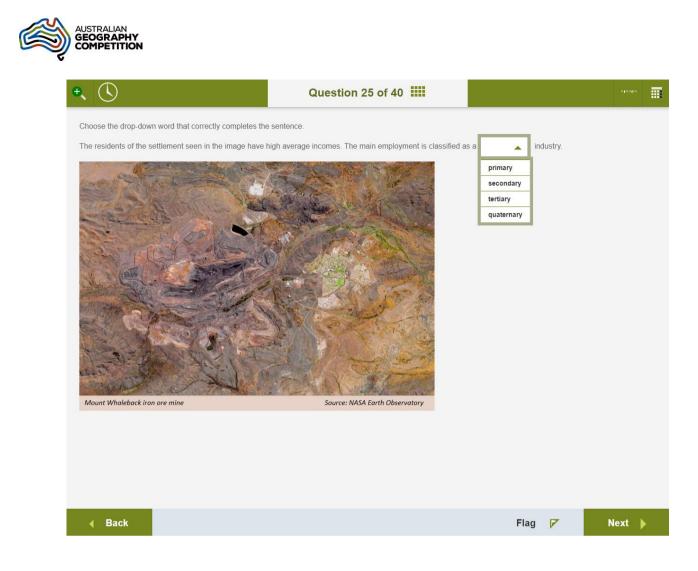
•	Question 21 of 40		
What is the main cause of Australian plants becoming t	hreatened?		
habitat destruction			
Climate change			
invasive species			
disease			
		Flag 🔽	Next 🕨
+	Question 22 of 40		anana 🔳
Aboriginal peoples in Australia commonly manipulated	the land to enhance food availability through:		
controlled burning			
irrigation systems			
crop rotation			
contour ploughing			

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Next 🕨



•	\bigcirc	Question 2	23 of 40			սիուլու	
CS tat	IRO has studied the wide-ranging benefits associated with Indi le.	genous land manag	ement. Classify these be	nefits by dragging and drop	ping the app	propriate text into t	the
1	Cultural and sociopolitica	I Economic	Environmental	Health and well-being			
	Category	Benefit	example				
		Better o	liet reducing lifestyle risk	factors			
		Suppor	t for intergenerational tra	nsfer of knowledge			
		Creatio	n of saleable carbon cred	its			
		Lower r	ates of weed infestation				
	e Back			Flag		Next	Þ
.	\bigcirc	Question 2	4 of 40 🗰			alaalaa	
Wi	ich of these is an environmental impact of the mine in the imag	le?					
(major contribution to Australia's Gross Domestic Produc	:	alteration of su	urface water flows			
(contaminated run-off affecting marine biodiversity		greenhouse g	ases released from the iror	ore		
		Caller .	AN AN				
	The solution		Carlos and a second				
100			THE				
10 mm		国政	1 1 - C				
and the	Constant of the	1000	A A				
		A AS	1 Long				
	Mount Whaleback iron ore mine	Source: NAS	A Earth Observatory				
	e Back			Flag		Next	







+	Question 27 of 40	
WHERE IS THE IT HAS BEEN INFORMATION DESK? IT HAS BEEN<	This cartoon best demons international international inter	egration on nt
Back		Flag 🏹 Next 🕨
•	Question 28 of 40	alaalaa 🏦
WHERE IS THE INFORMATION DESK? UT HAS BEEN RELOCATED TO CHINA TO CHINA TO CHINA C	moved their information see	s best explains why some Australian companies have arvices to Asian countries such as China? In having their information services in Australia. stomers live in China. Is are better at answering questions than Australian plogy are higher in China than in Australia.
Back		Flag 🏹 Next





Question 29 of 40

For this question you may use the on-screen calculator. Click on the icon in the top right corner. Using the data in the table below, what percentage of Australia's 2020 two-way trade was with China?

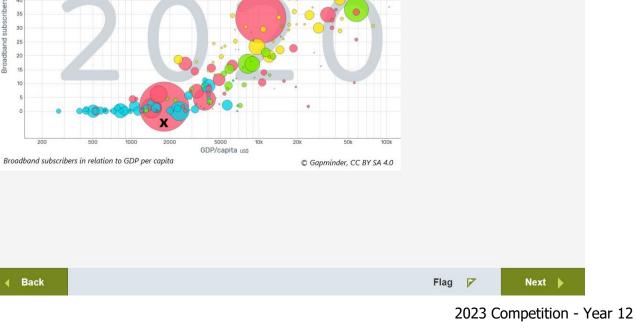
ustralia's	exports and imports of goods and s	ervices		1	© Austrade		
Rank	Selected economies	2017	2018	2019	2020		
1	China	183.5	214.8	251.3	244.8		
2	US	68.3	74.0	81.0	72.9		
з	Japan	72.0	85.7	86.7	66.5		
4	Korea	55.3	41.0	41.3	34.8		
5	UK	27.4	27.2	38.6	31.8		
6	Singapore	25.3	32.0	33.2	27.0		
7	India	27.6	30.4	29.2	24.4		
8	New Zealand	27.6	29.3	31.1	23.7		
9	Germany	21.0	23.2	22.9	21.2		
10	Thailand	23.0	25.7	23.1	19.6		
11	Malaysia	20.8	24.1	24.0	19.4		
12	Taiwan	15.1	17.6	20.2	16.1		
13	Vietnam	12.9	14.6	15.5	14.6		
14	Indonesia	16.4	17.6	17.7	12.9		
15	Hong Kong SAR	18.9	17.8	15.0	12.7		
	Other economies	149.7	179.2	187.3	154.6		
	Total all economies	764.8	854.4	918.0	796.9		



\bigcirc			Question 3	0 of 40 🛄	I	որողու
the statem	ents below supported by the data	in the table? Choos	e your answers fro	m the drop-dov	'n text.	
tement					Supported/ Unsupported	
Australia's	top 5 trading partners, trade with	he UK is growing at	the fastest rate.		-	
uen of Aug	teolio's too dE teoding portages are	Incated in Ania				
even of Aus	tralia's top 15 trading partners are	located in Asia.				
sed on the	trend in the table, Australia's trade	with Korea will soo	n exceed that with	Japan.		
					Supported	
Australia's	exports and imports of goods and s	ervices			Unsupported	
Rank	Selected economies	2017	2018	2019	2020	
1	China	183.5	214.8	251.3	244.8	
2	US	68.3	74.0	81.0	72.9	
3	Japan	72.0	85.7	86.7	66.5	
4	Korea	55.3	41.0	41.3	34.8	
5	UK	27.4	27.2	38.6	31.8	
6	Singapore	25.3	32.0	33.2	27.0	
7	India	27.6	30.4	29.2	24.4	
8	New Zealand	27.6	29.3	31.1	23.7	
9	Germany	21.0	23.2	22.9	21.2	
10	Thailand	23.0	25.7	23.1	19.6	
11	Malaysia	20.8	24.1	24.0	19.4	
12	Taiwan	15.1	17.6	20.2	16.1	
13	Vietnam	12.9	14.6	15.5	14.6	
14	Indonesia	16.4	17.6	17.7	12.9	
15	Hong Kong SAR	18.9	17.8	15.0	12.7	
	Other economies	149.7	179.2	187.3	154.6	
	Total all economies	764.8	854.4	918.0	796.9	



•	Q		Question	31 of 40 🗰				ntenter	
Betweer	n 2019 and 2020, Australia's tra	ade declined with all its ma	in trading partners.	Which is the best e	explanation for this d	lecline?			
\bigcirc	an increase in trade tariffs								
\bigcirc	Russia's invasion of Ukraine								
$\overline{\bigcirc}$	the COVID-19 pandemic								
\bigcirc	Australian goods and service	es were displaced by those	from other countrie	es					
•	Back					Flag		Next	
	5								
•	9		Question	32 of 40				opoque	
The scat	tter plot below demonstrates wi	hich correlation between th	ne number of broad	Iband subscribers a	nd GDP per capita?				
\bigcirc	positive correlation	negative con	rrelation	perfect	correlation	\bigcirc	no correlation		
	***	Circle size is proportional	to country populat	tion					
eldoed 00				•	•				
y 45 S 40									
35 subscrib			•. •. •						
Broadband subscribers period people Broadband subscribers period people 20 20 20 20 20 20 20 20 20 20 20 20 20 2				· ·	•				
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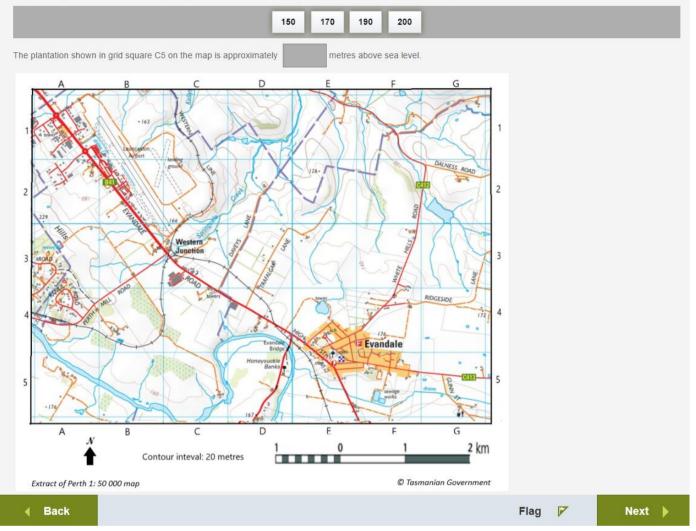




Question 35 of 40

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Question 36 of 40

Which of these is located in grid square G2 on the map?



.....



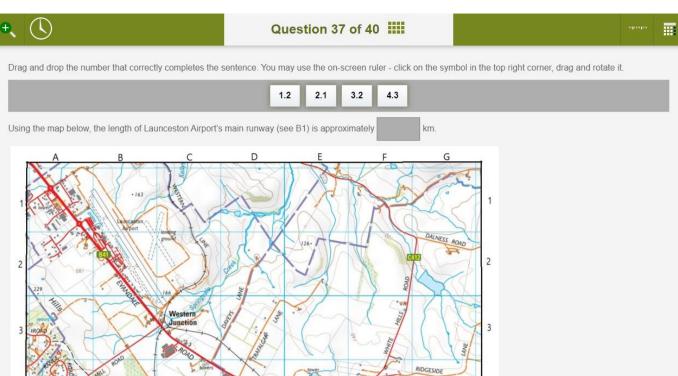
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Extract of Perth 1: 50 000 map

В



Evandale

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Contour inteval: 20 metres

4 172

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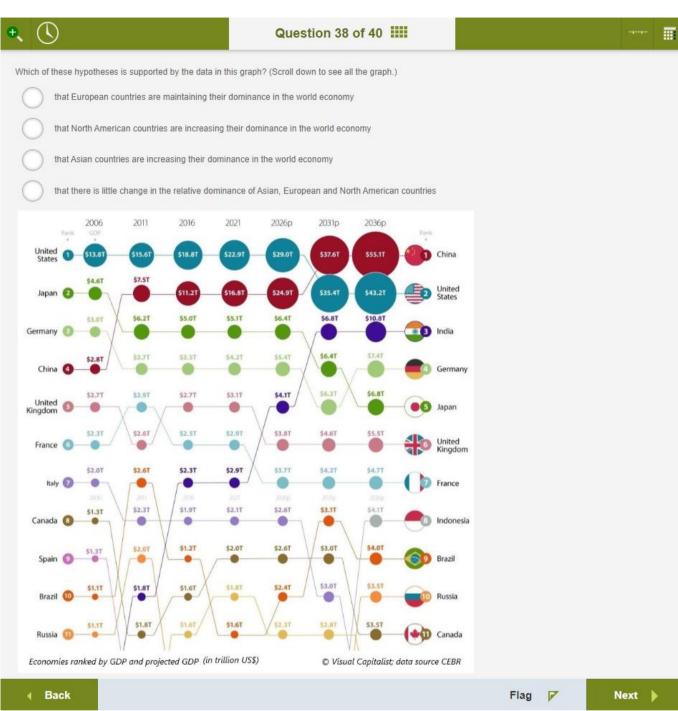
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G

© Tasmanian Government

2 km









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 (\mathbf{V})



The G7 was established as a group of the seven democratic countries with the largest economies, and that criteria still applied in 2006. Based on the data in the graph, drag and drop the words that correctly complete the sentence below if the inclusion criteria had been maintained.

