

Question Booklet

2004 National Geographic Channel

Australian Geography Competition

I N S T R U C T I O N S

- 1 Fill in your **name**, **school code** (your teacher will give you this), school's **post code**, your **gender** and **age**. You need to fill in the ovals as well as write the letters and numbers. For instance, a filled-in post code (for some other school) would look like the sample on the right. The computer reads the ovals, not the letters and numbers, so it is very important to get the ovals right.
- 2 You have 30 minutes to answer the questions. The time to fill in the preliminary information is extra.
- 3 Answer all questions by filling in **only one** oval on the answer sheet corresponding to the most appropriate answer for for each question.
- 4 Do not mark the front or back of the answer sheet in any other way as this can lead to errors in the computerized marking, or to your not getting a result.
- 5 If you are less than 14 years old on 31 August 2004 you may stop at Question 30, or continue to Question 40 to be eligible for major prizes.

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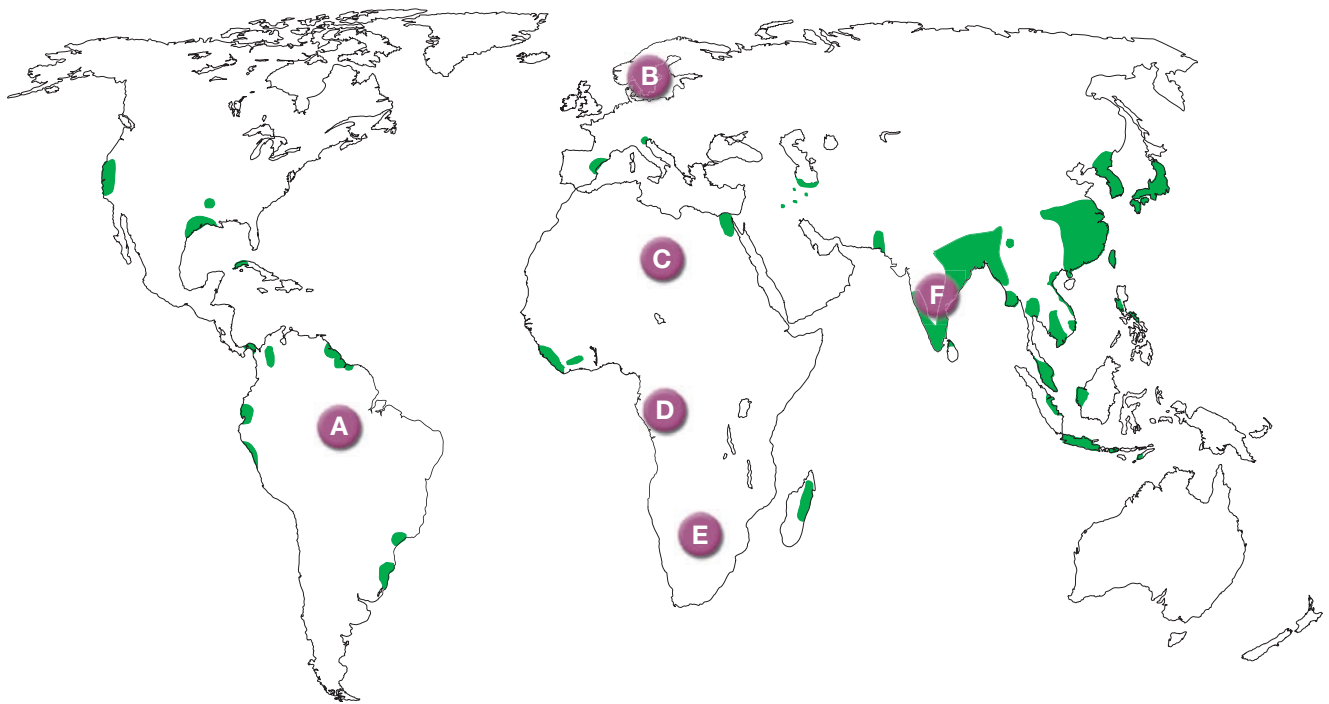


Figure 1.

1 In Figure 1, the areas shaded green are major producers of:

- A barley
- B corn
- C millet
- D rice
- E wheat

2 In Figure 1, Location C is in which desert?

- A Atacama
- B Gobi
- C Kalahari
- D Rub al-Khali
- E Sahara

3 In Figure 1, what is the religion of most people who live at Location F?

- A Animism
- B Christianity
- C Hinduism
- D Islam
- E Judaism

4 The photo in Figure 2 is typical of the landscape at which location in Figure 1?

- A Location A
- B Location B
- C Location C
- D Location D
- E Location E



Figure 2.

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5 Which of the following is true?

- A Clear nights are usually warmer than cloudy nights.
- B Cloudy days are usually warmer than sunny days.
- C Inland locations usually have large daily temperatures ranges.
- D Islands in the tropics usually have large daily temperature ranges.
- E Maximum daily temperatures are usually recorded around noon.

6 Which body of water separates Africa and Australia?

- A Arctic Ocean
- B Atlantic Ocean
- C Indian Ocean
- D Pacific Ocean
- E Tasman Sea

7 What is the term for a tree which grows higher than the canopy of a rainforest?

- A buttress
- B emergent
- C humus
- D liana
- E saprophyte

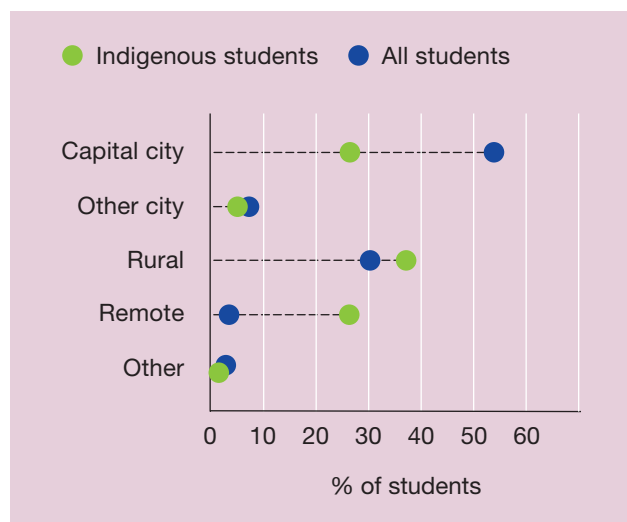


Figure 3. Vocational students by place of residence
Source: National Centre for Vocational Education Research

8 From Figure 3, approximately what percentage of Indigenous vocational students live in rural areas?

- A 4
- B 27
- C 31
- D 38
- E 55

9 Which statement best applies to Athens?

- A It has a population of approximately 1 million.
- B It has hot wet summers and cold dry winters.
- C It is the host city of the 2004 Olympics.
- D It lies on the Adriatic Sea.
- E all the above

10 What is the term for the point on the earth's surface directly above the focal point of an earthquake?

- A epicentre
- B epidemic
- C epilogue
- D epiphany
- E epiphyte

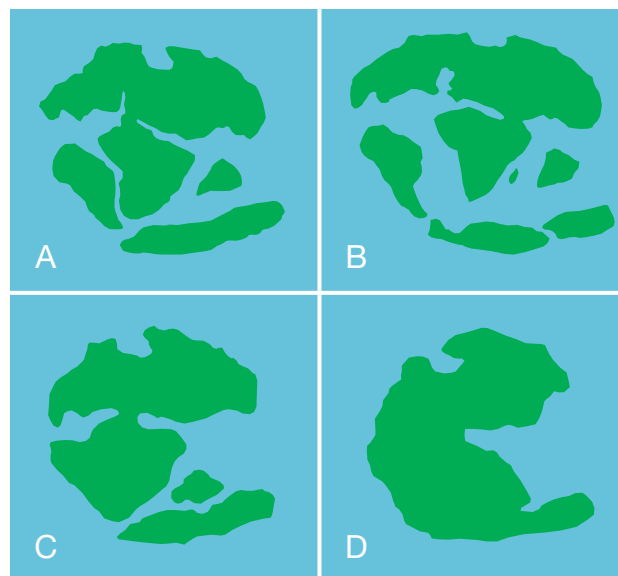


Figure 4.

11 Which sequence of diagrams in Figure 4 best represents the break up of Pangaea?

- A ABCD
- B ACDB
- C BDAC
- D CADB
- E DCAB

12 What is the location of the final leg of the Sydney to Hobart yacht race?

- A Derwent River
- B Moreton Bay
- C Port Jackson
- D Port Phillip Bay
- E Swan River

13 Biologists are monitoring the spread of which feral animal in Kakadu National Park?

- A cane toad
- B crocodile
- C ferret
- D fox
- E red deer

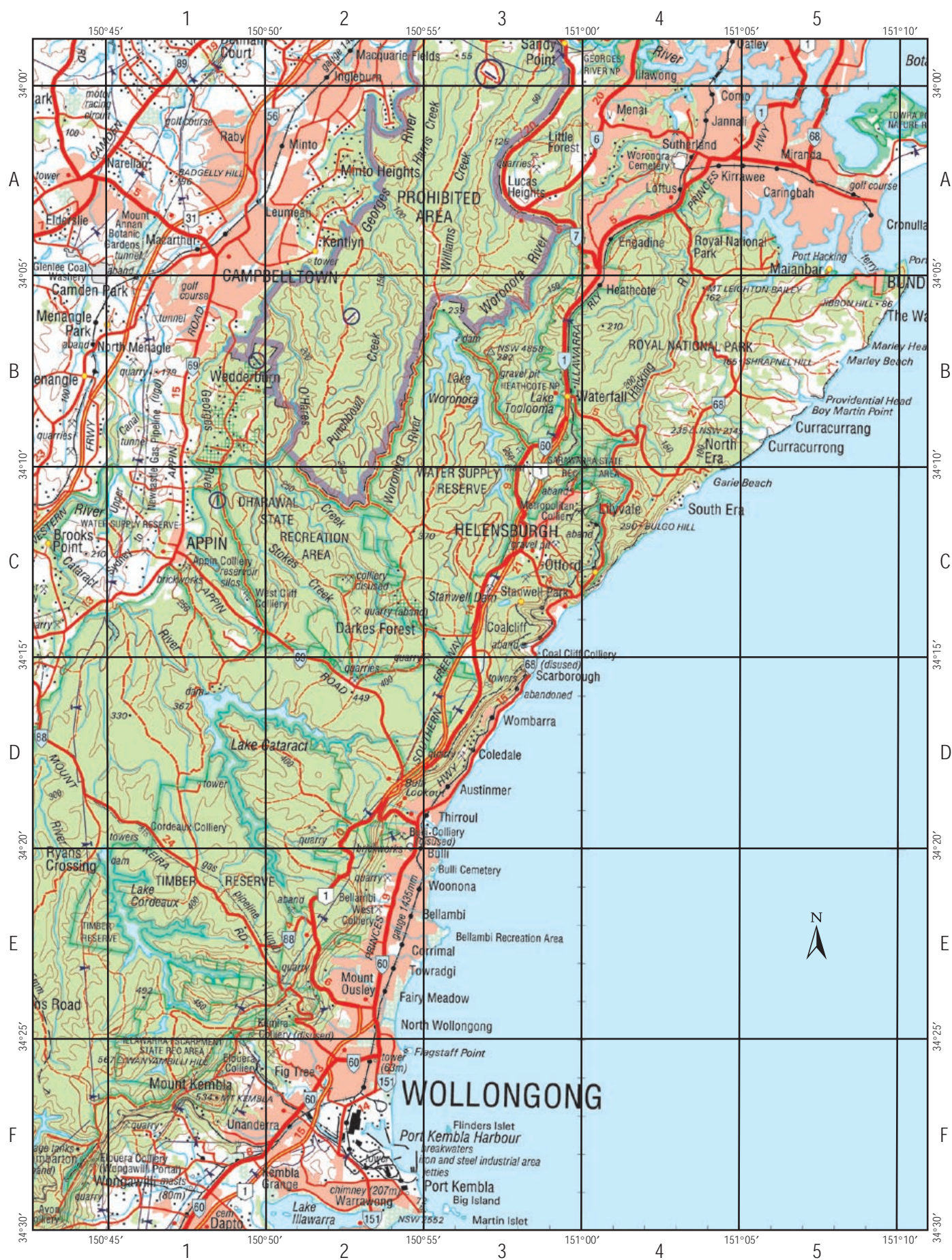
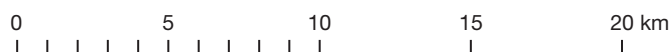


Figure 5.

Legend

	sealed	unsealed
Principal road; Built-up area; Locality.....		
Secondary road; Bridge; Causeway.....		
Minor road; Embankment; Cutting.....		
Vehicle track; Gate; Stock grid.....		
Dual carriageway; Distance in kilometres.....		
Route marker: National, State.....		
Airport; Landing ground; Heliport.....		
Multiple track railway; Station or siding.....		
Single track railway; Bridge; Tunnel.....		
Power transmission line.....		
Homestead; Building/s; Ruin.....		
Fence; Levee; Open cut mine.....		
Mine; Windpump; Yard.....		
Contour with value; Depression contour.....		
Horizontal control point; Spot elevation.....		
Sand; Sand dunes.....		
Sand ridges; Pinnacle; Cliff.....		
Forest, wood or scrubland; Rainforest.....		
Pine plantation; Urban recreation parkland....		
Orchard, plantation or vineyard; Windbreak..		
Watercourse (presence of water not implied)		
Perennial lake; Non-perennial lake.....		
Bore or well; Spring; Tank or small dam.....		
Subject to inundation; Swamp.....		
Saline coastal flat; Wreck, bare or awash.....		
Foreshore flat; Lighthouse.....		
Mangrove; Tidal ledge or reef; Shoal.....		
Breakwater; Rock, bare or awash.....		
Wharf; Jetty or pier.....		
State or territory boundary.....		
Reserved area boundary.....		
Prohibited area boundary.....		

SCALE 1:250 000



50 metre contour interval

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14 The map in Figure 5 shows a portion of which state or territory?

- A Australian Capital Territory
- B New South Wales
- C South Australia
- D Tasmania
- E Victoria

15 Using Figure 5, what type of vegetation surrounds Lake Cataract (D1-2)?

- A forest, wood or scrubland
- B orchard or vineyard
- C pine plantation
- D rainforest
- E swamp

16 Using Figure 5, what is located at 34°23'S 150°54'E?

- A Bellambi Recreation Area
- B Bulli Lookout
- C Coledale Railway Station
- D Towradgi Railway Station
- E Wollongong

17 Using Figure 5, what is located approximately 13 km west of Stanwell Park (C3)?

- A Appin
- B Pacific Ocean
- C Stanwell Dam
- D Stokes Creek
- E West Cliff Colliery

18 Using Figure 5, approximately how many metres above sea level is the surface of Lake Cataract (D1-2)?

- A 200 - 250 m
- B 250 - 300 m
- C 300 - 350 m
- D 350 - 400 m
- E 400 - 450 m

19 Where is the Golden Mile, reputed to be the richest gold-bearing square mile in the world, and now absorbed by the Super Pit?

- A Ballarat, Vic
- B Broken Hill, NSW
- C Gympie, Qld
- D Kalgoorlie, WA
- E Tennant Creek, NT

20 Which of these sets of countries includes areas that all share the same time zone?

- A Argentina, France, Iceland
- B Australia, India, Nepal
- C Brazil, Mexico, Greenland
- D Madagascar, Austria, Norway
- E South Africa, Egypt, Finland

Table 1. Queensland wheat statistics Source: ABARE

Year	Area (⁰ 000 ha)	Yield (tonnes/ha)	Production kilotonnes
1997-98	999	1.39	1389
1998-99	1139	1.70	1941
1999-00	1096	1.74	1904
2000-01	901	1.31	1000
2001-02	730	1.03	750
2002-03*	450	1.11	500
*Estimate			

21 Using Table 1, in which of these years was Queensland's wheat yield highest?

- A 1997-98
- B 1998-99
- C 1999-00
- D 2000-01
- E 2001-02

22 Which graph shape in Figure 6, best represents the pattern of wheat production in Queensland from 1997 to 2003, as shown in Table 1?

- A Graph A
- B Graph B
- C Graph C
- D Graph D
- E Graph E

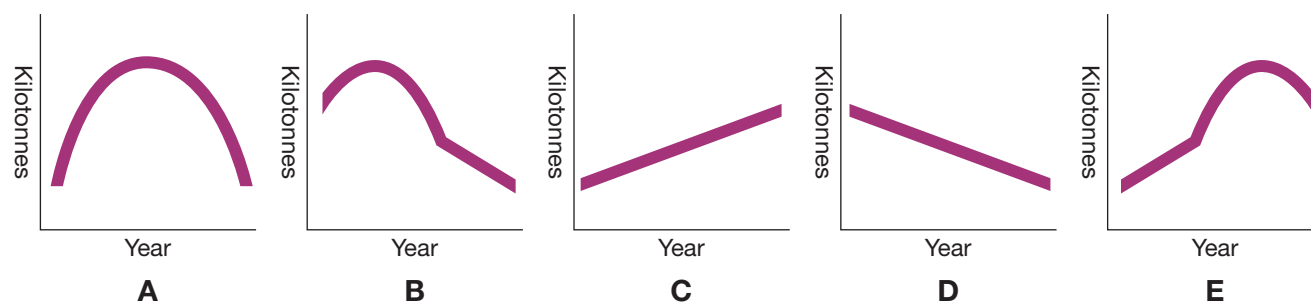


Figure 6.



Figure 7. © NASA, courtesy of National Geographic Channel

23 Which water bodies are shown in the satellite photo in Figure 7?

- A Bay of Bengal and Indian Ocean
- B Gulf of Bothnia and North Sea
- C Gulf of Mexico and Atlantic Ocean
- D Gulf of Taranto and Mediterranean Sea
- E Spencer Gulf and Southern Ocean

24 What are Fraser Island and the Daintree region of Queensland known for?

- A coal mining
- B dairy industry
- C ecotourism
- D historical ruins
- E whaling stations

25 In which of these countries are the Kurds a minority people?

- A Afghanistan
- B Egypt
- C Iraq
- D Nigeria
- E Pakistan

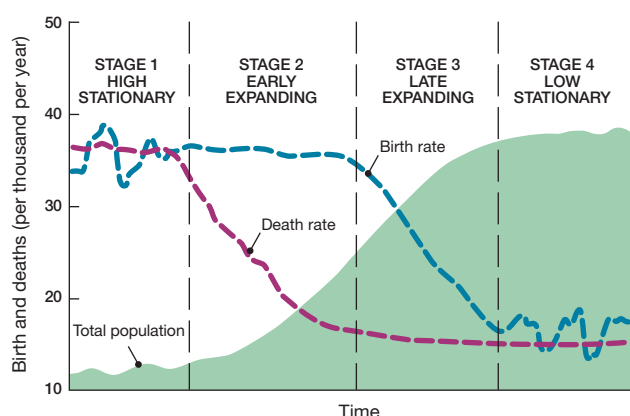


Figure 8. Demographic transition

- 26** In Figure 8, which description matches “Stage 2, Early Expanding”?
- A high birth and death rates
 - B low birth and death rates
 - C stable birth and death rates
 - D stable birth rate and declining death rate
 - E stable death rate and declining birth rate
- 27** Which of these countries best fits Stage 4 in Figure 8?
- A Bangladesh
 - B Nigeria
 - C Papua New Guinea
 - D Philippines
 - E United States of America
- 28** Wilsons Promontory extends into:
- A Bass Strait
 - B Great Australian Bight
 - C Investigator Strait
 - D Timor Sea
 - E Torres Strait

Table 2. Salinity on agricultural land

Source: ABS & Environment Australia

State	Hectares affected	Farms affected	% of farms in state
NSW/ACT	125,000	3,100	7.4
Vic	138,000	4,834	13.7
Qld	107,000	993	3.4
SA	351,000	3,328	21.6
WA	1,241,000	6,918	51.3
Tas	6,000	390	9.1
NT	2,000	8	2.0

- 29** Using Table 2, which Australian state’s agricultural land is most affected by salinity?
- A New South Wales/ACT
 - B South Australia
 - C Tasmania
 - D Victoria
 - E Western Australia
- 30** Using Table 2, which list correctly ranks the states and territories in descending order according to the number of farms affected?
- A NT, Qld, NSW/ACT, Tas, Vic, SA, WA
 - B NT, Tas, Qld, NSW/ACT, SA, Vic, WA
 - C WA, SA, Vic, NSW/ACT, Qld, Tas, NT
 - D WA, SA, Vic, Tas, NSW/ACT, Qld, NT
 - E WA, Vic, SA, NSW/ACT, Qld, Tas, NT

If you are less than **14 years** old on 31 August 2004 you may stop at Question 30, or continue to Question 40 to be eligible for major prizes.

- 31** According to geographers, increased soil salinity may result from:
- A excessive use of water in irrigation areas
 - B rapid evaporation of surface water in dry climates
 - C replacing deep-rooted native vegetation with shallow-rooted crops
 - D tree clearance altering water table levels
 - E all the above
- 32** Which state or territory has the highest population density?
- A Australian Capital Territory
 - B New South Wales
 - C Northern Territory
 - D Tasmania
 - E Western Australia
- 33** Which country receives the most Australian aid?
- A China
 - B East Timor
 - C India
 - D Iraq
 - E Papua New Guinea

34 Revenue from oil and gas accounts for approximately 90% of the exports of which Asian country?

- A Brunei
- B Japan
- C Malaysia
- D Taiwan
- E Vietnam

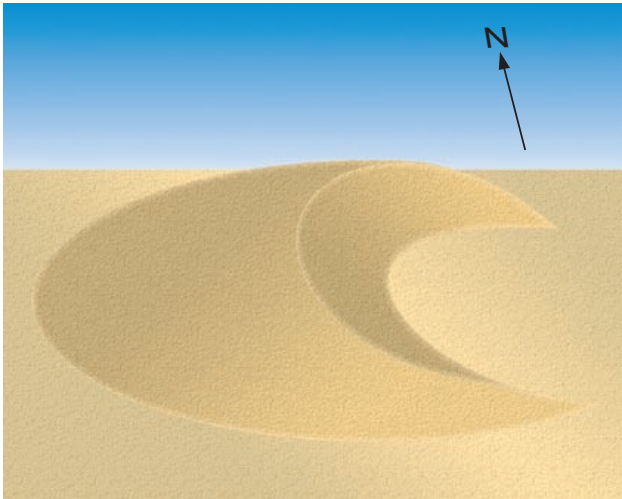


Figure 9.

35 Which prevailing wind formed the sand dune shown in Figure 9?

- A northerly
- B southerly
- C easterly
- D westerly
- E none of the above

36 Which type of dune is illustrated in Figure 9?

- A barchan
- B erg
- C longitudinal
- D seif
- E star

37 Which of these countries is located on the isthmus between North and South America?

- A Bahamas
- B Costa Rica
- C Ecuador
- D Peru
- E Uruguay

38 Which Pacific island countries were damaged by cyclone Heta in January 2004?

- A Fiji and Maldives
- B Guam and Haiti
- C Jamaica and Vanuatu
- D Niue and Samoa
- E Seychelles and Tonga

39 Which of these countries has land on both the Pacific and Indo-Australian tectonic plates?

- A Australia
- B Japan
- C New Zealand
- D Philippines
- E Sri Lanka

40 Why did Australia change the legal status of several of its off-shore islands in 2001?

- A deter asylum seekers from unauthorised arrival
- B establish new fish protection zones
- C include major wetlands used by migratory birds
- D include the territory of Manus Island
- E protect its oil wealth