





Geography

Weather And Climate



For Middle Primary







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Title: **Weather And Clima**. F Middle Primary Published by **Ready-Ed Publications** © 2019

Taken from: Geography For Aust Alian Students: Year 3 Author: Lindsay Marsh Illustrator: Alison Mutton

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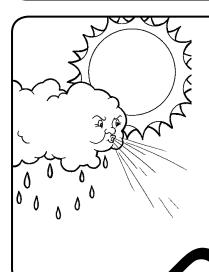
Climate

1. There is a difference between **climate** and **weather**. Read the definitions below. Label them either **climate** or **weather**.

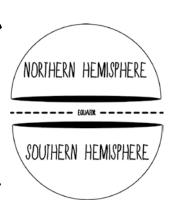
A.

Is not mapped daily but over a long period of time. Weather averages and weather patterns are measured. В.

Is mapped over a short period of time. It changes from minute-to-minute; hour-to-hour and is often measured in terms of: temperature, humidity, precipitation, cloudiness, brightness, visibility, wind, and atmospheric pressure (high and low pressure).



The climate is different depending where you live. The climate in the stathent hemisphere tends to be warmer than in the hardnern hemisphere. The equator is an imaginary has which runs through the centre of the globe. Places heated near to the quator enjoy warmer climates.



2. Use the information above and your own knowledge to draw lines to label the globe.

SOUTHERN HEMISPHERE

NORTHERN HEMISPHERE

EQUATOR

HOTTER CLIMATE



COOLER CLIMATE

NORTH POLE

SOUTH POLE

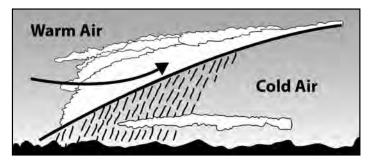
AUSTRALIA



Pressures And Fronts

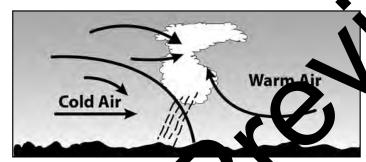
☐ Meteorologists are people who study and inform us of the weather. Read the information, and study the diagrams to complete the table below.

Warm Front



A WARM AIR MASS moving towards a COLD AIR MASS = A WARM FRONT.

Cold Front



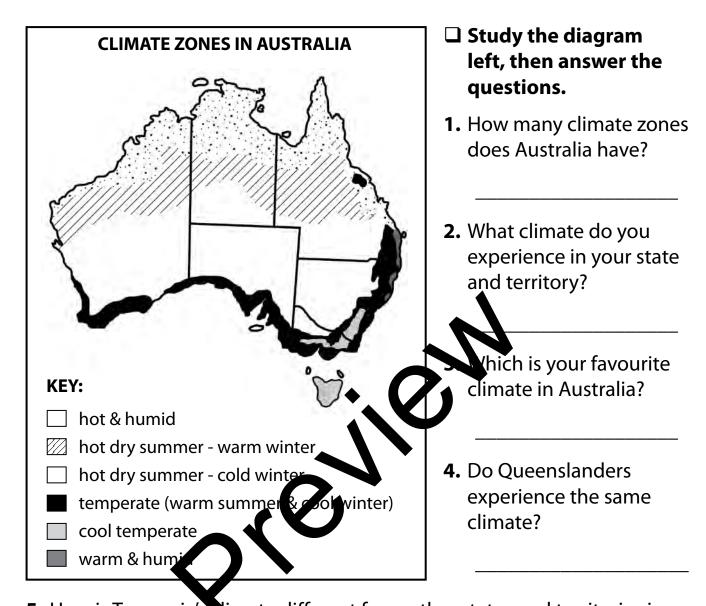
A COLD AIR MASS moving towards a WARM AIR MASS at COLD FRONT.

When a warm front moves into an area, it settles over the cooler air mass and forces it away. The rain that forms with a warm front is usually lighter, but it falls over a larger area. The temperature will slowly rise and the air becomes more humid.

When a sold front arrives, it can obtain with the warmer at mass so it forces the narmer air to rise. The water vapour in the warm air begins to form clouds. As the cold front replaces the warm air, temperatures will drop and it may rain heavily in a small area for a short period of time.

Type of pressure or front	Type of weather it brings
Low pressure system brings	
High pressure system brings	
Warm air mass moving towards cold air mass	
Cold air mass moving towards warm air mass	

Australian Climate 1



5. How is Tasmania's timate different from other states and territories in Australia?

Label on the map:

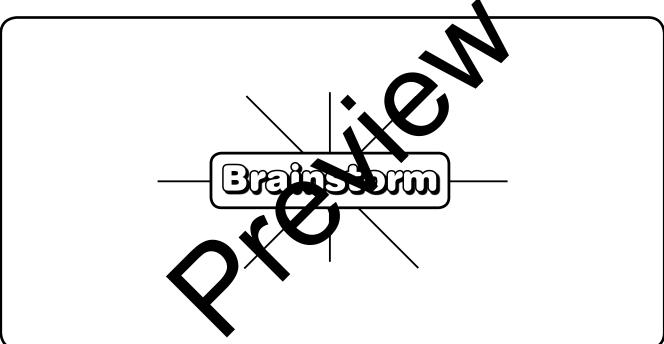
- i. where you would be most likely to find snow
- ii. the area that is closest to the equator
- **iii.** where you would most likely experience no difference between winter and summer

Australian Climate 2

1. In drier parts of Australia, droughts are a problem. Look at the images and brainstorm what problems droughts might cause.





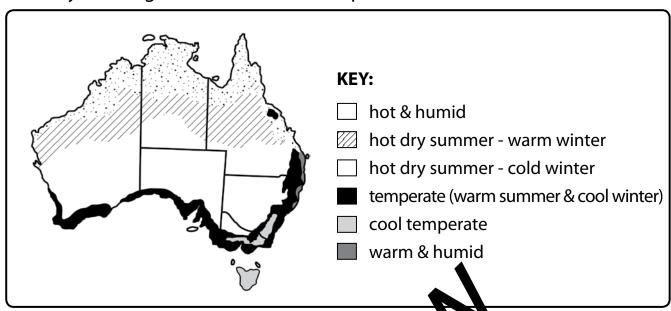


2. Can you think of ways to drought-proof Australia? Work in a pair and list your ideas.



Australian Climate 3

☐ Study the diagram then answer the questions.



1. Which place in Australia do you think experiences the best climate? Why?

+, (7)	

2. Choose a place that experiences a different climate to where you live. Write a paragraph about how life might be different there.

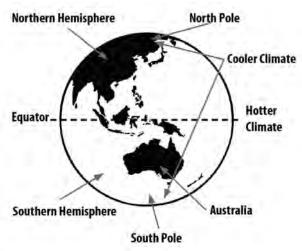
(Places	

Answers

Page 3

1. A = climateB = weather

2.



Page 4

Page 4 2.		
Pressure or front	Weather it brings	
Low pressure system brings	stormy weather and strong winds.	
High pressure system brings	fine weather and light winds.	
Warm air mass moving towards cold air mass brings	light rain over a larg area; humid weather	
Cold air mass moving towards warm air mass brings	cool trapes ture short per vds of heavy rain	

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- 1. Six
- 4. No, Queenslanders experience five different climate zones.
- 5. It only experiences one climate.
 - i. Students should indicate the south-east
 - ii. Students should indicate the tip of Queensland (Cape York)
 - iii. Students will possibly indicate the areas with a hot dry summer and warm winter.

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- 1. Possible responses: no water for cattle; fewer food supplies; less income; no water in dams and reservoirs; low supply of irrigation for crops
- 2. Possible responses: drinking reclaimed water; water tanks; building more dams, etc.

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Student responses

