

Climographs are a combination of a bar and line graph used to show the climate of a place over a 12-month period. The line graph always shows average monthly temperature, and the bar graph the average monthly rainfall.

1. Look at the climograph of Brisbane opposite.

(a) What does this climograph show?

.....

.....

.....

.....

.....

(b) What is the average temperature in Brisbane in January?

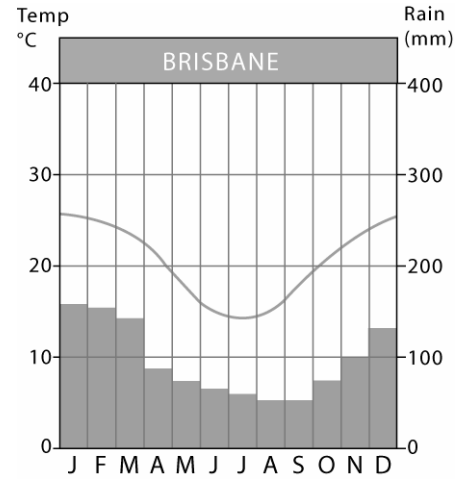
.....

(c) What is the average rainfall for Brisbane in January?

.....

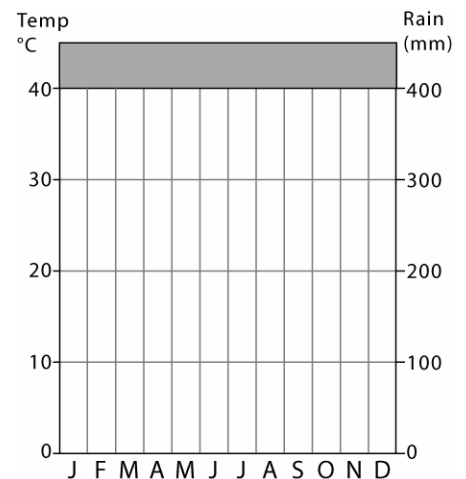
(d) In which month does Brisbane record its lowest average temperature?

.....



2. Construct a climograph for Melbourne on the grid below using the statistics provided.

	J	F	M	A	M	J	J	A	S	O	N	D
Average max temp (°C)	26	26	24	20	17	14	13	15	17	20	22	24
Average rainfall (mm)	48	47	51	58	57	50	48	50	59	67	59	59



3. Compare your completed climograph for Melbourne with the climograph for Brisbane above.

(a) Which city has the warmest climate?

.....

(b) Which city has the coolest climate?

.....

(c) When are the wettest months in Brisbane? What is Melbourne's climate like at this time?

.....

.....

.....

4. Climographs give a quick snapshot of a location's climate and the type of region it is. Use the information in the climographs found on the following pages of the *Jacaranda Atlas Sixth Edition* to briefly describe the type of region you believe each to be.
- (a) Nouakchott (p186)

- (b) Charlotte Pass (p66)

- (c) Lae (p131)

5. Look carefully at the climographs and climate zone map on pages 224–5 of the atlas.
- (a) Complete the following table by comparing the climographs with the climate zone map.

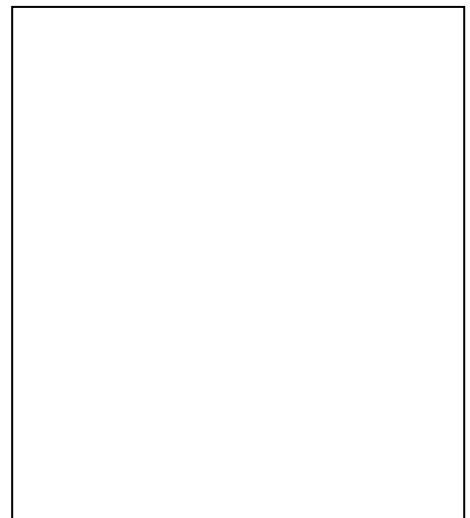
City	Climatic zone	Climate zone description
		Cold winters, cool to hot summers; moderate rain all year
Dublin		
	Tropical wet	
		Warm; rain all year
	Mild wet	
		Hot all year; less than 250 mm rain per year

- (b) What are the similarities and differences in the climates of the following pairs of cities?
- Dublin and Auckland

 - Manaus and Cairo

6. Complete a climograph for the planet Xerxxes in the box opposite. Use the table below to construct your climograph.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum temperature (°C)	220	225	200	190	180	120	50	55	110	135	170	210
Minimum temperature (°C)	170	185	165	140	130	75	10	20	60	75	115	165
Rainfall (mm)	120	120	80	40	10	0	0	50	100	11	120	120



- (a) What temperature range (the difference between the highest and lowest temperature) does the planet Xerxxes experience over a year?

- (b) What is the largest temperature range (between maximum and minimum) that Xerxxes experiences in any month?

- (c) Comment on the rainfall experienced on the planet Xerxxes.

