

Climate Characteristics of Canadian Cities

TABLE 1 - Information on Temperature and Precipitation for Known Cities

Fill in this table using information from the CCGE MapMaker maps you created.

City	Annual Mean (Average) Temperature	Precipitation Zone	
		Total Rain	Total Snow
Vancouver, British Columbia	_____ to _____ °C	_____ mm/yr	_____ cm/yr
Lethbridge, Alberta	_____ to _____ °C	_____ mm/yr	_____ cm/yr
Kugluktuk, Nunavut	_____ to _____ °C	_____ mm/yr	_____ cm/yr
Winnipeg, Manitoba	_____ to _____ °C	_____ mm/yr	_____ cm/yr
Churchill, Manitoba	_____ to _____ °C	_____ mm/yr	_____ cm/yr
St. John's, Newfoundland and Labrador	_____ to _____ °C	_____ mm/yr	_____ cm/yr

TABLE 2 - Information on Temperature and Precipitation for Unknown Sites

Use the data in this table to fill out **TABLE 3**. You will have to calculate several averages and totals. Remember, to find the average (or mean) you have to add up all the numbers and then divide by the number of numbers.

SITE 1	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Temperature (°C)	-26	-26	-20	-10	-2	6	12	11	5	-2	-12	-22
Precipitation (mm)	15	13	18	23	32	44	46	58	51	40	39	21
SITE 2	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Temperature (°C)	-29	-30	-26	-17	-6	3	9	8	3	-7	-20	-26
Precipitation (mm)	12	8	13	10	12	20	34	44	28	26	15	11
SITE 3	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Temperature (°C)	-10	-5	-2	5	11	15	19	18	13	8	-1	-6
Precipitation (mm)	24	19	24	43	51	78	44	47	37	18	17	22
SITE 4	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Temperature (°C)	-4	-5	-3	1	6	10	15	15	12	7	3	-2
Precipitation (mm)	153	163	135	121	99	95	89	102	120	138	163	174
SITE 5	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Temperature (°C)	3	5	6	9	12	15	17	17	14	10	6	4
Precipitation (mm)	154	115	101	60	52	45	32	41	67	114	150	182
SITE 6	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Temperature (°C)	-18	-16	-8	3	11	17	20	19	13	6	-5	-13
Precipitation (mm)	26	21	27	30	50	81	69	70	55	37	29	22

TABLE 4 - Match the Known Cities to the Unknown Sites

Identify the **SITES** by doing the following:

- a) Study the data you calculated in **TABLE 3**.
- b) Review the factors you have learned that might affect the climate of a local area.
- c) Based on their climate characteristics, match the cities from **TABLE 1** to the six unidentified **SITES**.
- d) Justify and explain your reasoning for each match.

SITE	CITY (circle one)		JUSTIFY YOUR ANSWER
SITE 1	Vancouver	Winnipeg	
	Lethbridge	Churchill	
	Kugluktuk	St. John's	
SITE 2	Vancouver	Winnipeg	
	Lethbridge	Churchill	
	Kugluktuk	St. John's	
SITE 3	Vancouver	Winnipeg	
	Lethbridge	Churchill	
	Kugluktuk	St. John's	
SITE 4	Vancouver	Winnipeg	
	Lethbridge	Churchill	
	Kugluktuk	St. John's	
SITE 5	Vancouver	Winnipeg	
	Lethbridge	Churchill	
	Kugluktuk	St. John's	
SITE 6	Vancouver	Winnipeg	
	Lethbridge	Churchill	
	Kugluktuk	St. John's	