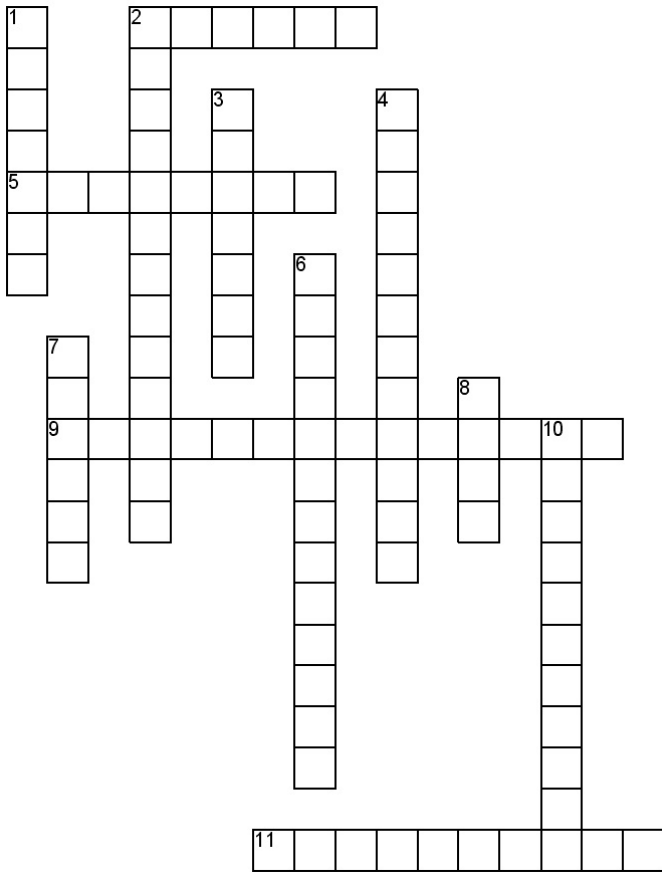


**A. Crossword Puzzle**

① Read the on-line Earth & Space notes for this chapter (i.e. see "young-s-wiki") and complete the crossword.



(1d) refers to the short-term conditions or state of the (11a) at a given time or place. A description of weather includes a number of different variables such as (10d), wind speed and direction and the type and amount of (2d) (water that falls from the sky to the ground such as rain or snow). A description of weather also usually includes information about the air pressure and (5a) (the amount of water vapour in the air). A person who gathers data on weather and uses this information to predict the weather is called a (6d).

(3d) refers to long-term weather patterns in a particular area. To determine the present-day climate of a place, weather data from at least 30 years are collected and averaged. Climate affects not only the kind of house you live in but the clothes you wear and kinds of activities you do outside. (9a) (scientists who study climate) have divided Earth's land into (4d) (a geographical region that is classified according to temperature, precipitation, and the types of (2a) that live there). Regions in different parts of Earth can be in the same climate zone, the (7d) and Antarctica for example. The climate zone of a region has a significant effect on the type of (8d) that can exist there. For example, a tropical bird would not survive in the Arctic.

**B. Wrap-Up Notes**

- ① Take a blank lined page and at the top of the page, in the middle, write the section title "8.1 CLIMATE & WEATHER".
- ② Leave a blank line and then, on the left side, write the heading "WRAP UP NOTES".
- ③ Turn to the last page of the notes (P.295) and add the wrap up notes below this heading. Be sure to write neatly!

**C. Questions**

- ① Leave a blank line after the wrap up notes and then, on the left side again, write the heading "QUESTIONS".
- ② Answer the questions below under this heading. Be sure to use complete sentences and to write neatly!
- ③ Attach your answers to this sheet when you are finished.

1. What type of information is needed to describe the climate of a region?
2. State whether each of the following terms is related more to weather (W) or to climate (C).
 

|                             |                                 |
|-----------------------------|---------------------------------|
| (a) cloud cover             | (b) annual rainfall             |
| (c) chance of precipitation | (d) average monthly temperature |
3. Your family is planning a picnic for the weekend. Would you want predictions of weather or climate? Explain.
4. "Climate is what you expect, but weather is what you get." How accurate is this statement? Why?
5. (a) What is an ecozone?  
 (b) How many ecozones does Canada have?