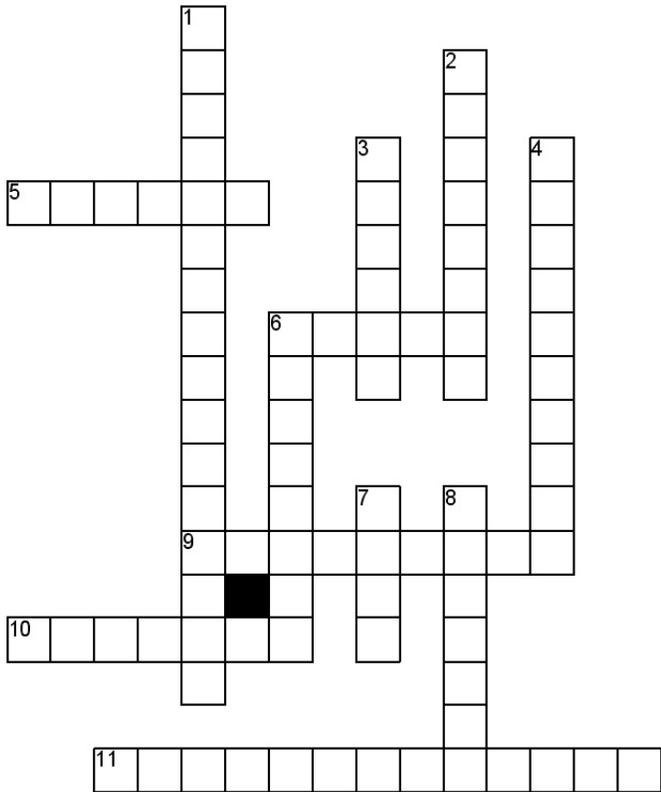


**A. Crossword Puzzle**

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



Based on available evidence, scientists have concluded that Earth’s climate is presently changing. Proxy records show how climate changed naturally in the past. Today’s climate changes are occurring quickly and are unlike the natural changes that took place in the past. Many changes are due to (6a) activities. (11a) is a term scientists use to describe the recent increases in Earth’s average temperature.

(9a) all over Earth have risen over the past 120 years. Why? As global temperatures increase, the ice in glaciers and ice sheets (7d). Global warming is also causing (1d) (an increase in the (5a) of matter as its temperature increases) of the water in Earth’s ocean which adds to the rise in sea levels.

Global warming has also caused several changes in Earth’s (8d) patterns including more heat waves, violent (3d), (2d), and droughts. As well, the length of the seasons is changing, as are the amount of precipitation and average temperature. In Canada this means longer growing (10a) and shorter winters. Global warming is also affecting plants, animals, and their (6d) - particularly in Canada’s Far North. For example, (4d) spend much of the year hunting seals on sea ice. However, with less ice, the bears are having difficulty finding seals.

**B. Wrap-Up Notes**

- ① Take a blank lined page and at the top of the page, in the middle, write the title for this section.
- 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.303) 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. Give four examples that show that Earth’s climate is changing.
2. Describe two ways that climate change is affecting Canada.
3. Why should all people be concerned about melting glaciers and ice sheets?
4. Farmers in a community are complaining that their crops are being damaged by insects they never had problems with before. Explain what might be causing this problem.
5. What are some examples of events that might indicate climate change in your area?