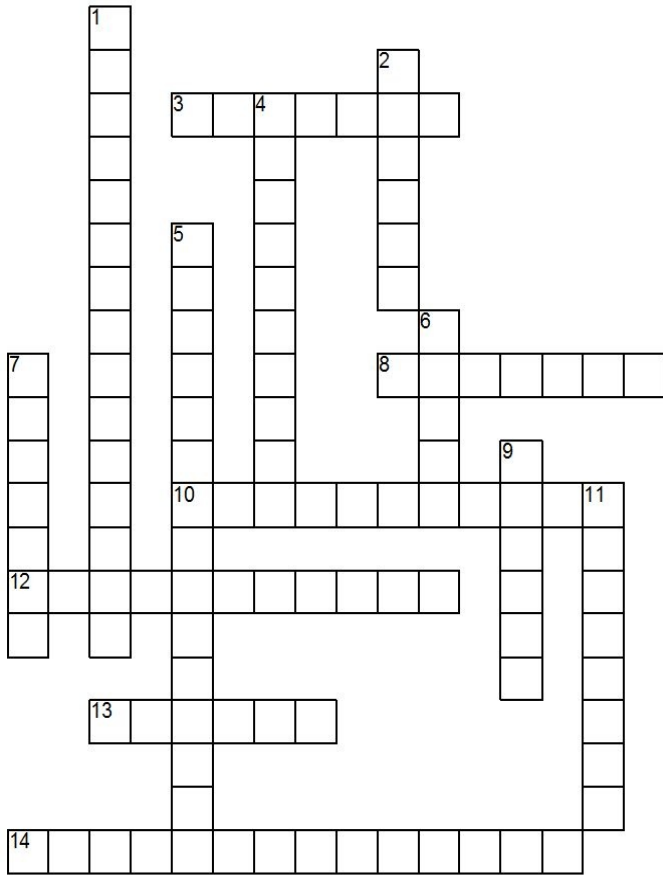


A. Crossword Puzzle

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



As a Canadian, you will emit more (1d) on average than most people in the world. Why?

Canada is a vast (8a) and much of it is (11d) populated. Transporting (6d) and (9d) from coast to coast requires a lot of (2d). (14a) is the largest source of Canada's greenhouse gas emissions, at about 26% of total emissions.

Other major sources of emissions include generating (12a) and (3a) buildings. In Canada, we need to heat buildings in the (13a). But the average size of a family home has more than (7d) in the last 50 years. Also, we use more electricity because we operate many more (4d) than we used to 50 years ago. These new appliances include (10a), clothes dryers, large-screen TVs, and (5d).

NOTE!

The term carbon footprint is used to indicate the amount of carbon dioxide and other greenhouse gases we produce in our day-to-day activities. It is a measure of the personal impact we have on climate change. Your carbon footprint is determined by looking at your sources of greenhouse gases, including energy use and transportation.

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.347) 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. How much of Canada's total greenhouse gas production comes from each of the following:
 - (a) the oil and gas industry
 - (b) transportation
 - (c) agriculture
 - (d) electricity generation
2. Based on the information in this section, suggest three ways in which Canadians could reduce their emissions of greenhouse gases.
3. Look at Table 1/P.347. Why is "deforestation" included as an example of increased carbon dioxide emissions?
4. What does the term "carbon footprint" mean? What does it measure?