

Canada's Geologic History

Reference: Making Connections, Chapter 11

In your notes, answer the following questions. After each answer write the page number where you found it!

1. In your notes define the key terms listed at the top of page 110. Use your own words!!
2. Briefly describe Wegener's theory. What evidence did he use to support it? Why was it rejected at first?
3. How do convection currents work?
4. If plate tectonics is a slow process that operates over millions of years, how can it have an impact on you in your lifetime? (ie what events are associated with it?)
5. Using the information in Figure 11-9, answer the following:
 - i. How old is the earth?
 - ii. What percentage of the earth's age does each era represent?
 - iii. What is the name of the era we live in?
6. What part of Canada was created during the Precambrian era?
7. Where was the eroded material from the shield deposited? What did it become?
8. During the Mesozoic era, the North American plate collided with the Pacific plate. What resulted from this collision?
9. It is believed that North America was located closer to the equator during the Palaeozoic era. Why has this tropical location been important to Canada? (think of transportation and winter heating)
10. What were the main geologic events that occurred in the area of Canada where we live? What evidence of these events is there?