Directions: Answer the following questions.

Part 1:

1. Based on evidence from historical climate research (e.g., fossils, varves, ice core data) and climate change models, explain how the current melting of polar ice caps can impact the climate system.  
   Pages: 225, 226, 431-434, 441, 455, 645

2. Use oxygen isotope data to estimate paleotemperature. Pages: 642

Part 2:

Answer the following questions on page 458 (7), 434 (2-3,5,7)