Format for the exam:
Closed book. The questions will be conceptual, rather than quantitative. This means that you must master the key concepts behind the methods; memorizing the equations we have used in problem sets and in class won’t help very much.

The Guide Questions at the start of each set of notes are a good guide for what you need to know.

You will NOT need a calculator, and you will need to know only a few equations.

I plan to give you some idea of how long an answer I expect. You may write more than the number of sentences I suggest, but you don’t need to.

Example questions (there will be only two types):

Some questions will be taken directly from the lists of guide questions. Example:

1) (5 points) How and where is $^{14}$C produced? (1-2 sentences; 5 points)

Some questions will not be directly from the lists of guide questions, but will come from topics covered in the guide questions, and will be focused on a specific applied or practical method. Example:

2) (10 points) The following plot was created from measurements on four different minerals from a granite.
   a) Explain why the minerals have different Sr isotope ratios (1-2 sentences)
   b) State how, in a general sense (i.e., you don’t need to know the equation) we can obtain the age of the rock from this plot. (1-2 sentences)
   c) Based on the information on the plot, is there any reason to doubt this age? (2 sentences)