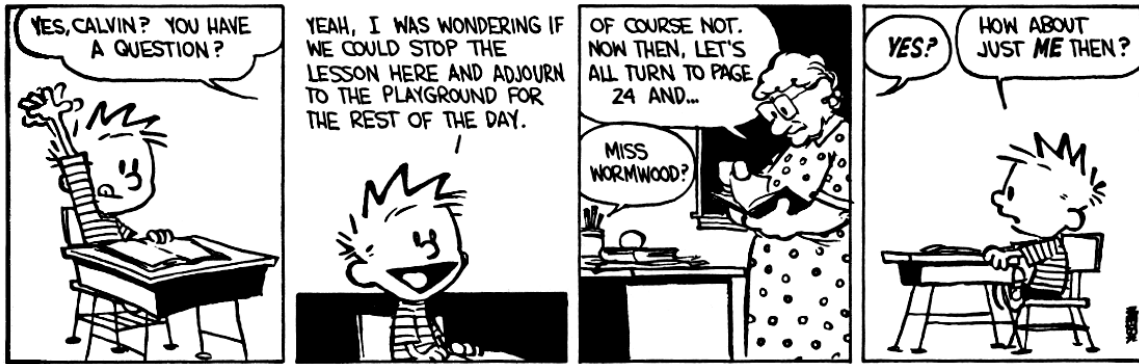


Name _____

BIOL 103 – Fall 2007 – Exam 5

Please do not start until everyone is ready.



1. (8 pts) What is “peak oil?” Discuss when will it happen.

2. (8 pts) What is OPEC and why is it influential?

3. (8 pts) What is ANWR? Where is it? And what is the controversy with oil and caribou all about?

4. (8 pts) What is the difference between the amount of oil that is technically recoverable from an oilfield and the amount that is economically recoverable? Which amount is more relevant?

5. (2 pts) How much did the earth warm in the 20th century? _____

6. (12 pts) How do climatologists predict how human actions will affect climate in the future? How do they test the accuracy of these predictions?

7. (10 pts) Describe one method climatologists use to study the climate and/or earth's atmosphere thousands of years ago.

8. (12 pts) What would the consequences be if the arctic sea ice melted?

9. (10 pts) One possible danger associated with global warming is a dramatic cooling of Europe. How could this happen?

10. (10 pts) What is the Kyoto Protocol? Which countries have ratified it? Why is it controversial?

11. (12 pts) What is a climate stabilization “wedge?” Use a figure if it would be helpful. Give two examples.