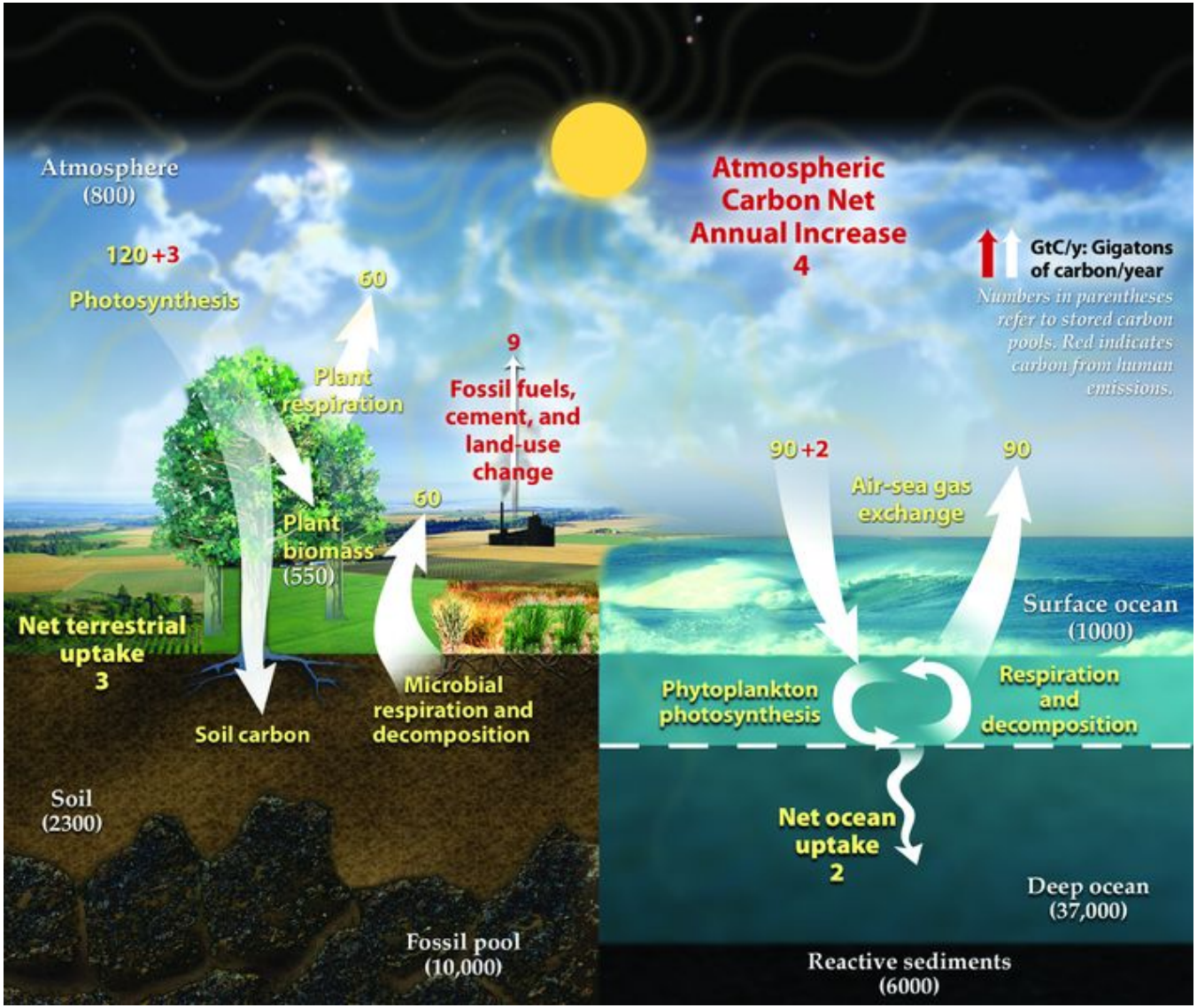
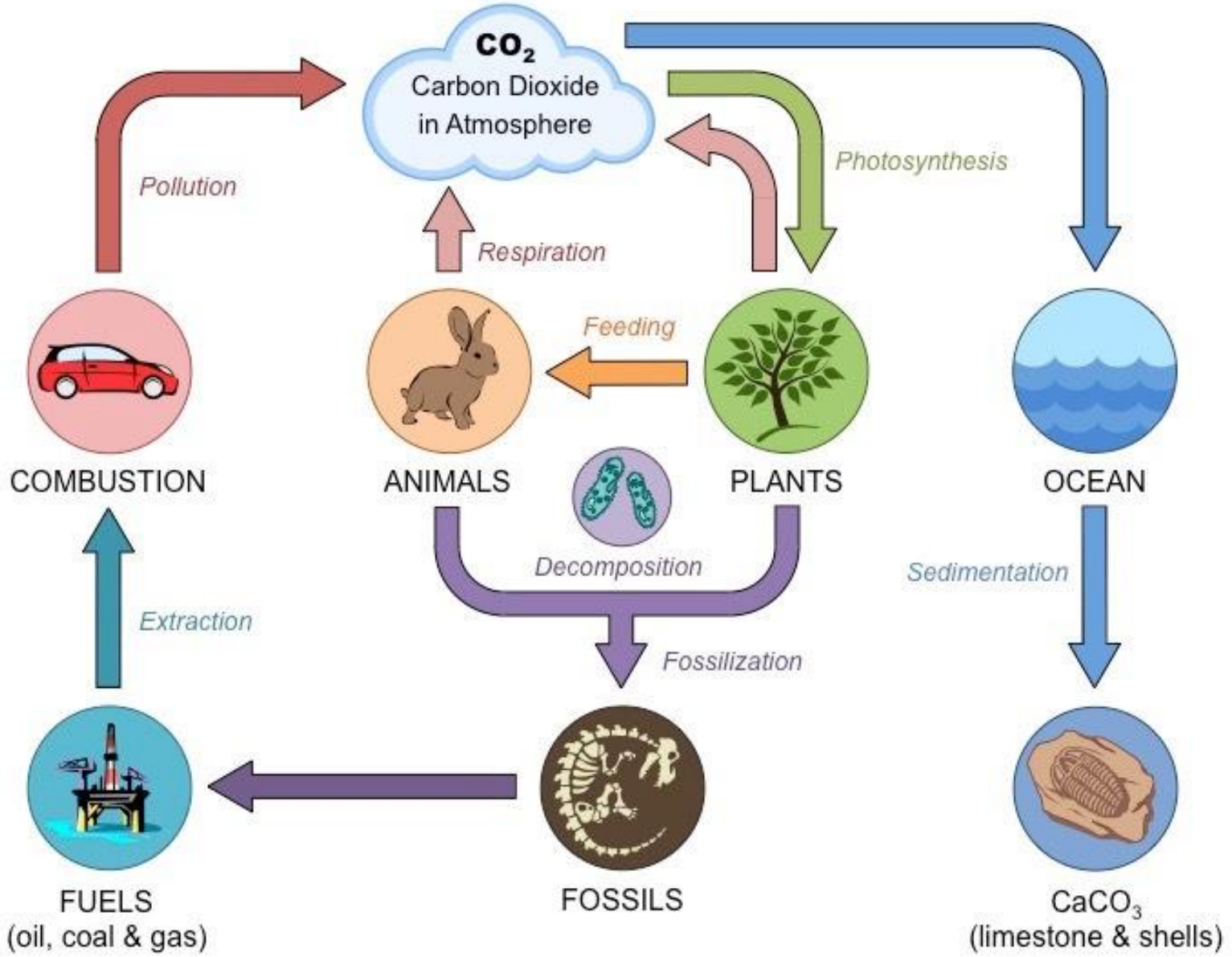
4.3 Carbon cycling

1. Draw the carbon cycle. (Carbon cycle diagrams vary greatly in the detail they contain. This one shows not only the sinks and the flows, but also estimates carbon storage and movement in gigatons/year.)





http://ib.bioninja.com.au/standard-level/topic-4-ecology/43-carbon-cycling/carbon-cycle.html

2. What is the role of autothrops in the carbon cycle?

3. In what molecules is carbon mainly found in aquatic environments? Include chemical formulas found in the book

4. Methane, CH_4. Where is it produced, and under what circumstances?

5. What is the chemical formula for burning natural gas. Methane is the main ingredient in natural gas, which is one of the main fossil fuels we use today. What is the concequence of burning fossil fuels in large amounts?

6. Describe what peat is. How is it formed? Where is it found and how can it be used?

7. Which are the main types of fossil fuels?

8. Describe(in a short and comprehensive way) how the fossil fuels were formed.

9. What is always produced when burning biomass or and fossil fuels?

10. Which are the different petroleum products that can be separated using a fractioning tower?

11. What molecule is the basis of a coral reef and what is the chemical reaction for making this molecule?

12. Explain how limestone is formed