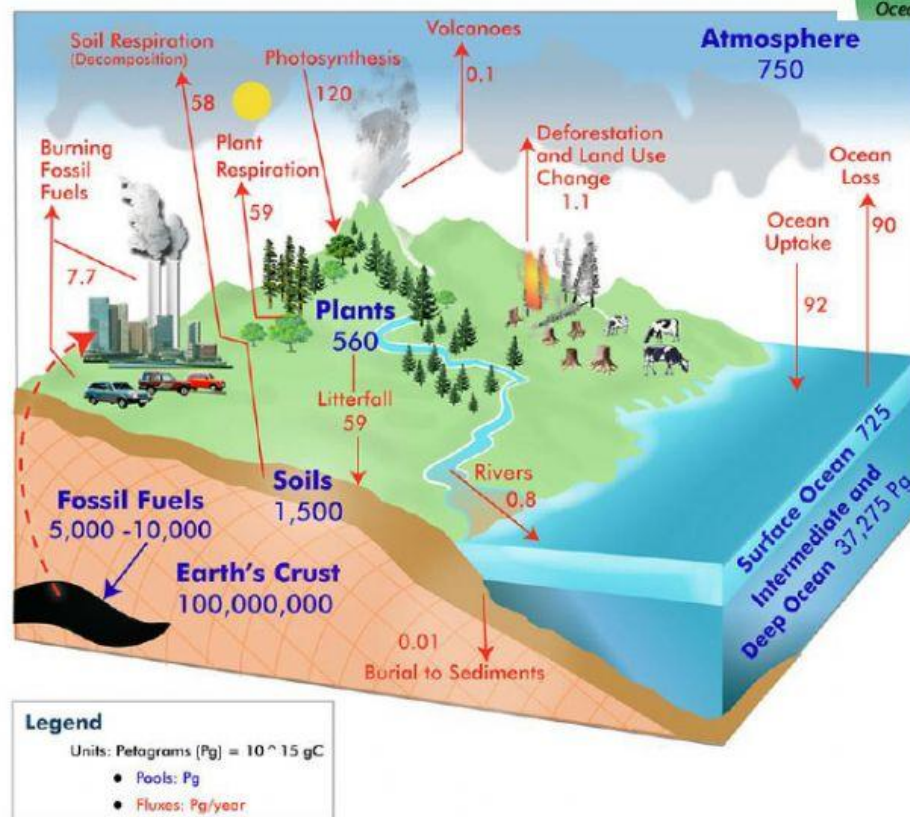


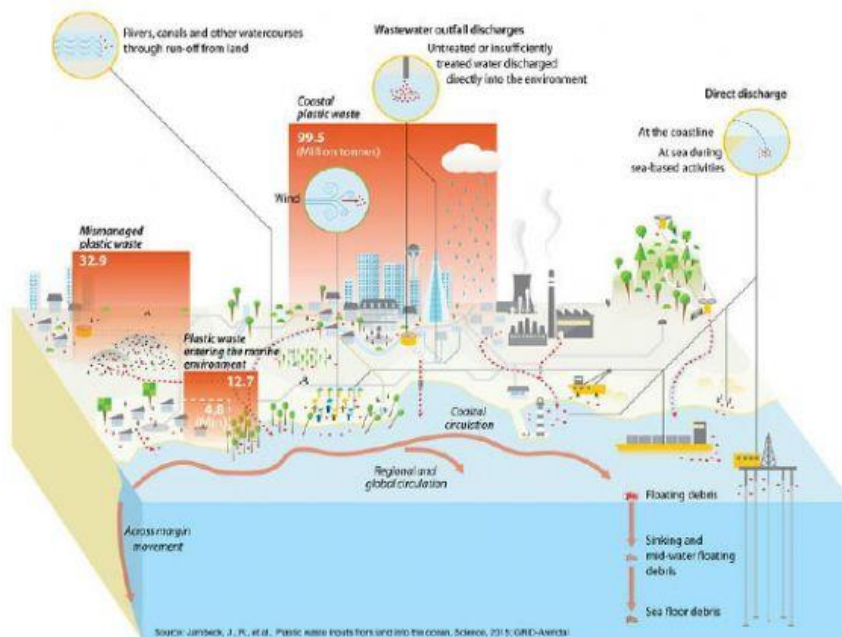
9.2 Seawater Chemistry

Global Carbon Cycle



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Data Sources: Adapted from Houghton, R.A. Balancing the Global Carbon Budget. *Annu. Rev. Earth Planet. Sci.* 007:353-373, updated emissions values are from the Global Carbon Project: Carbon Budget 2009.

Pathways and fluxes of plastics into the oceans



1. Why are oceans important?
2. Which dissolved gases are found in the oceans?
3. Which dissolved salts are contained in seawater?
4. What is salinity? What is the salinity of average seawater?
5. Where does the salt come from?
6. Why doesn't the ocean get saltier over time?

7. What changes the salinity in different places in the oceans?
8. What are the effects of salinity on water?
9. How does the surface temperature of ocean water vary?
10. Where is the coldest, densest ocean water?
11. What does carbon dioxide do in the oceans?
12. How does temperature change with depth? How does pressure change with depth?

