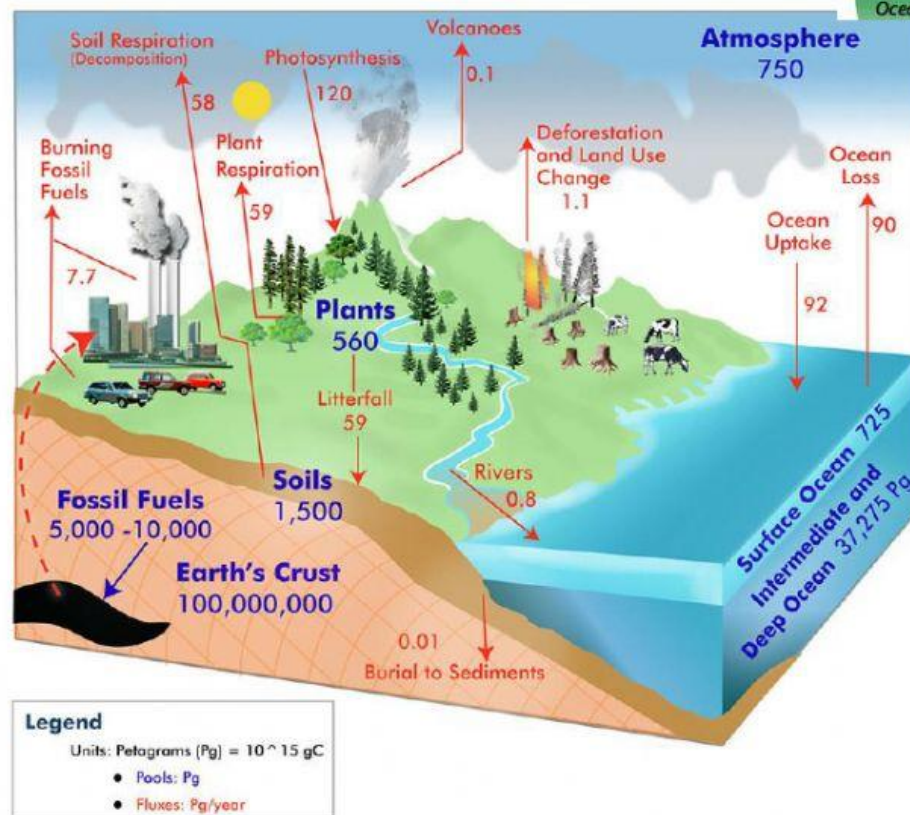


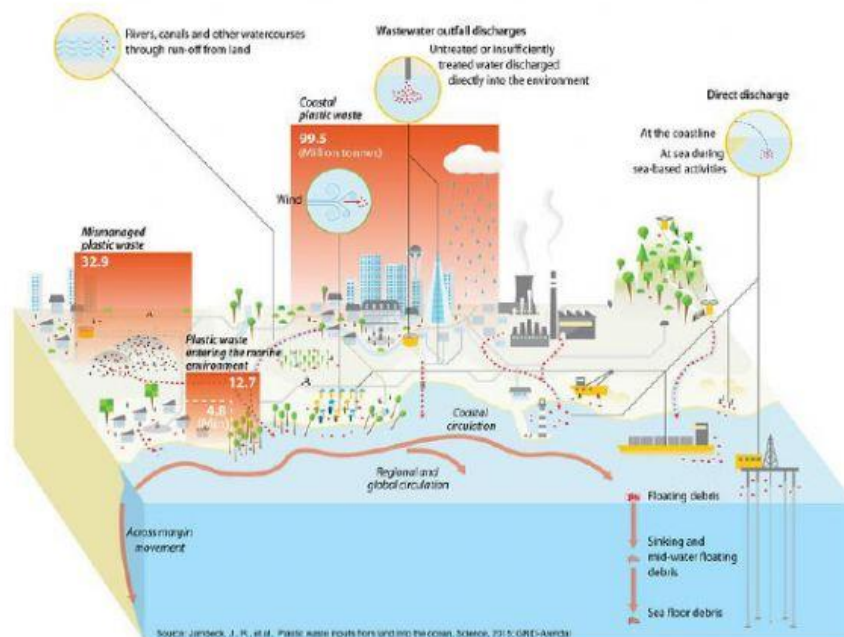
9.1 Importance of the Oceans

Global Carbon Cycle



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 Data Sources: Adapted from Houghton, R.A. Balancing the Global Carbon Budget. *Annu. Rev. Earth Planet. Sci.* 007:35-113-147, updated emissions values are from the Global Carbon Project: Carbon Budget 2009.

Pathways and fluxes of plastics into the oceans



1. How do the oceans moderate Earth's temperature?

2. What role do oceans play in the water cycle?

3. Why do oceans have so much biomass?