

Chemical cycling

Elements accumulate in three major places

- In the **bodies** of living organisms
- In **exchange pools**: readily available water soluble reserves of a mineral nutrient, such as nitrates in soil water easily taken up by plants, or air such as with CO₂
- **Reservoirs**: harder to get to places such as bones of animals, shells, deep underground etc.

Figure 54.8 A general model of nutrient cycling

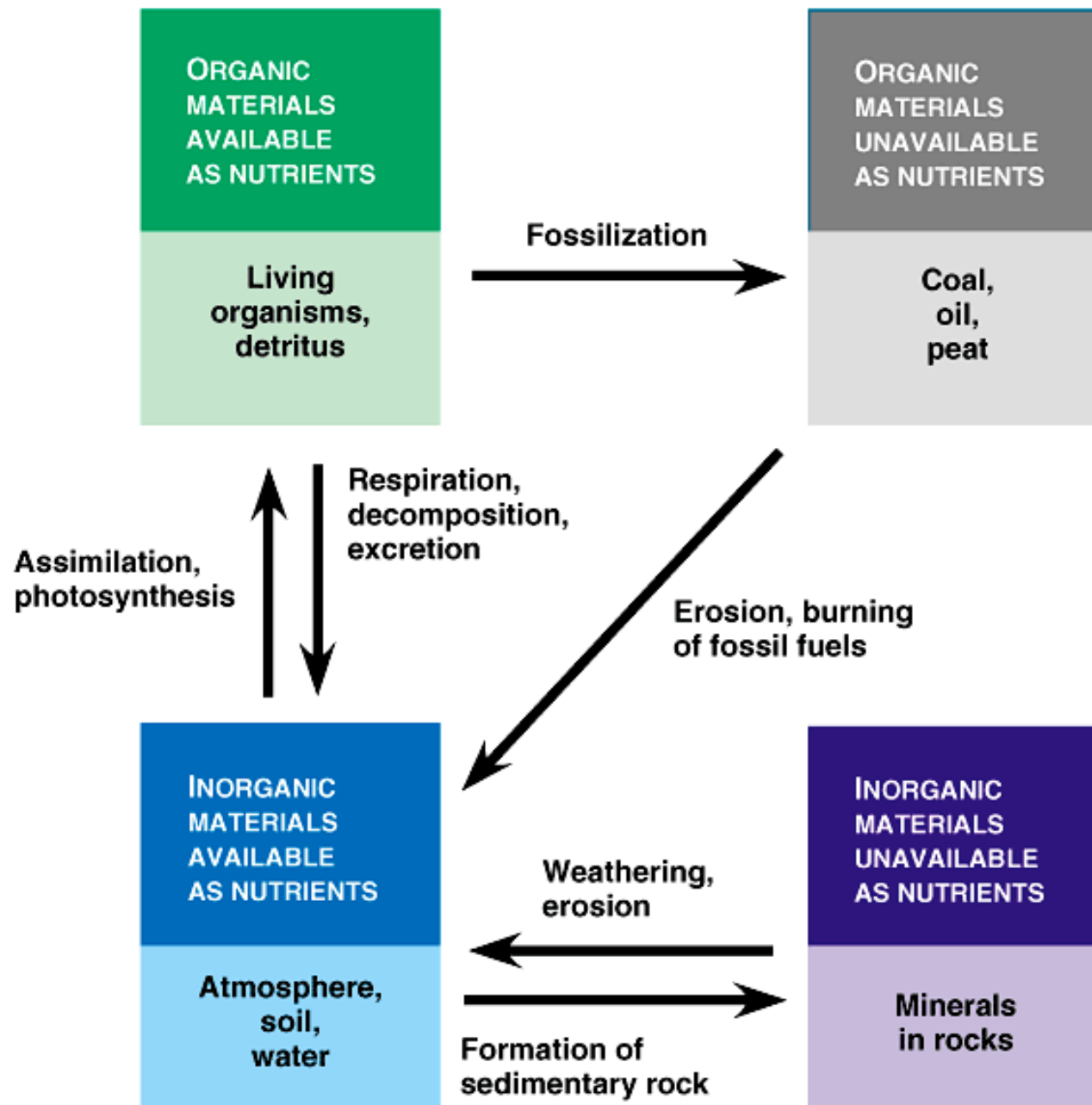


Figure 54.9 The water cycle

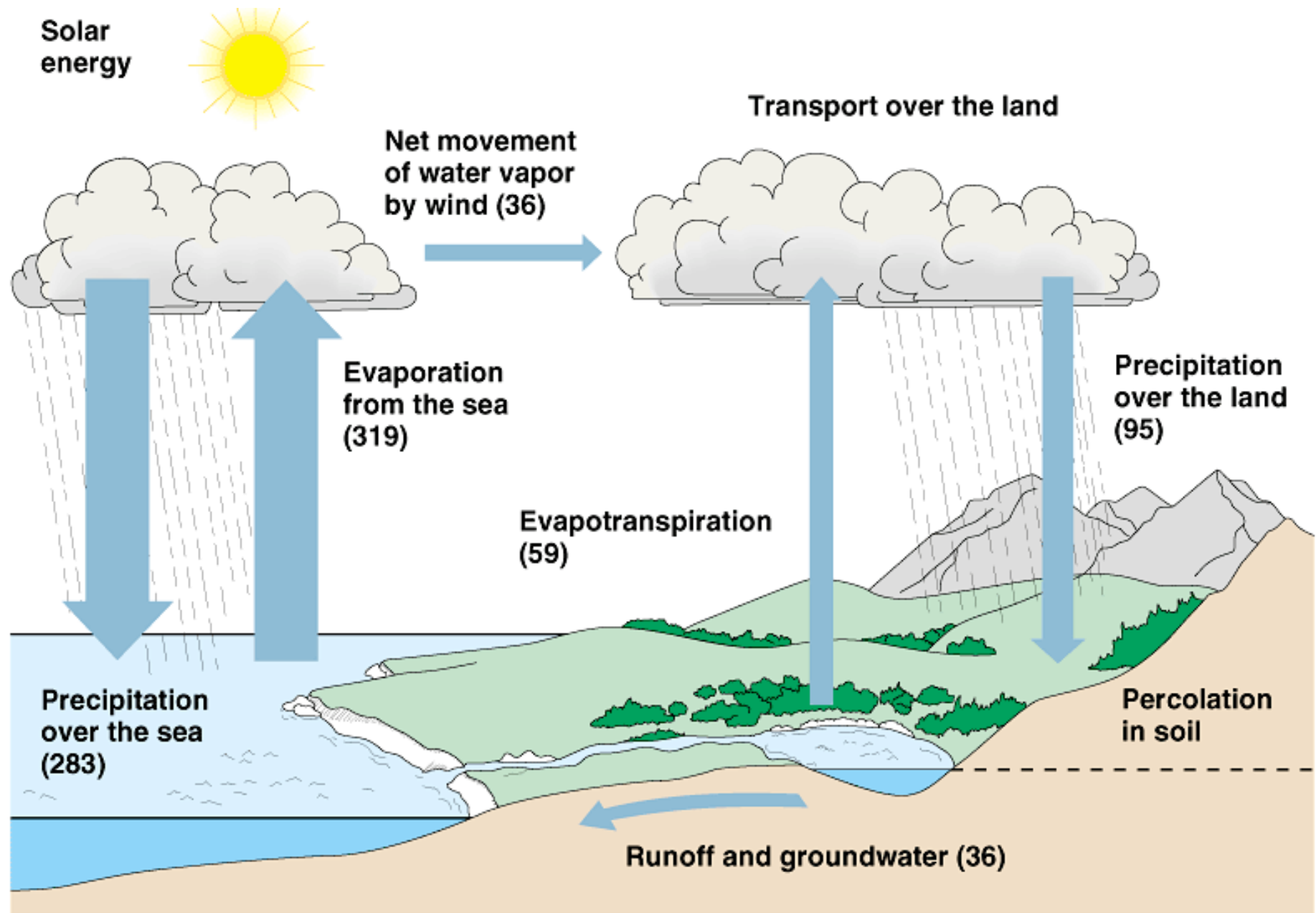


Figure 54.10 The carbon cycle

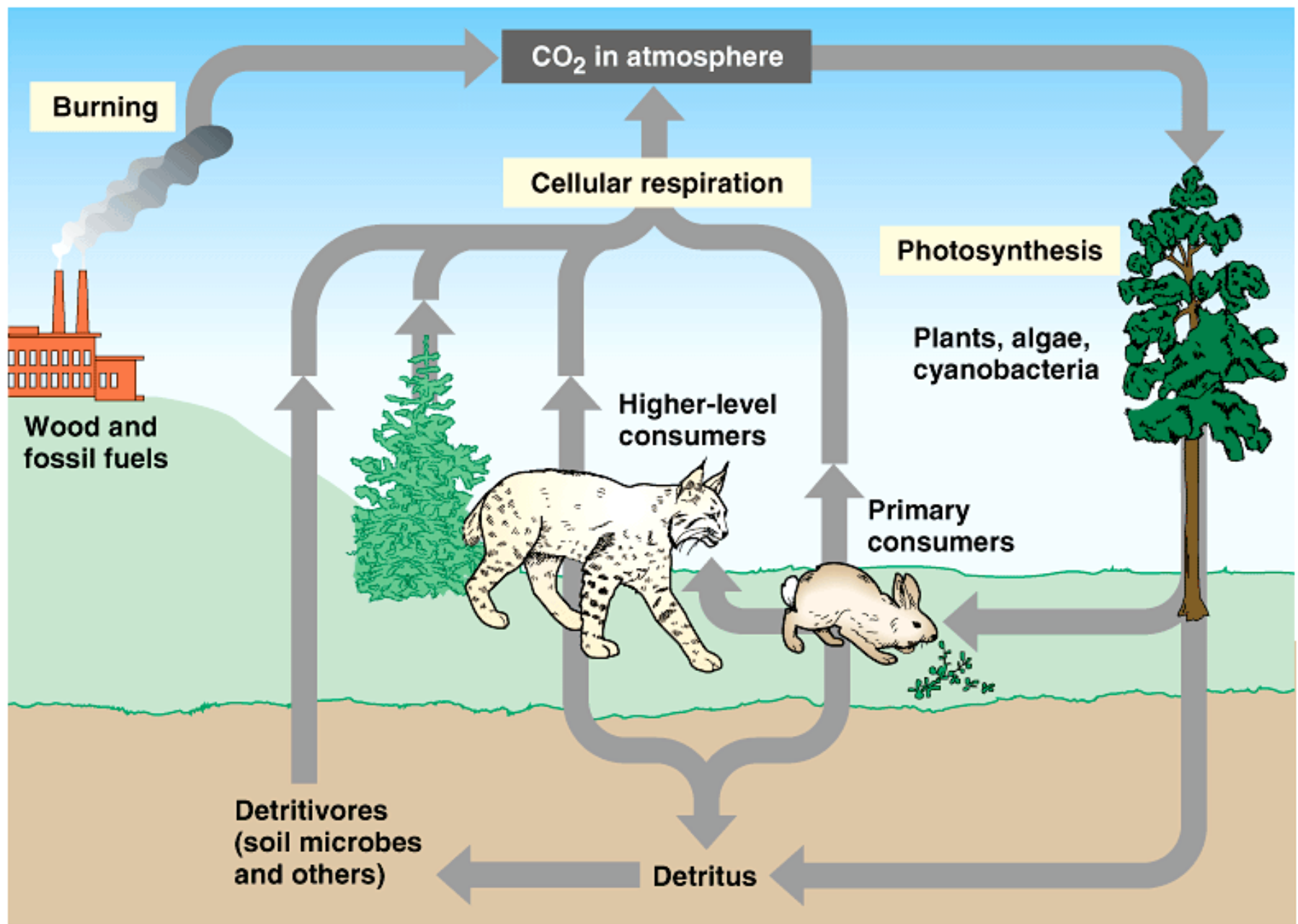


Figure 54.11 The nitrogen cycle

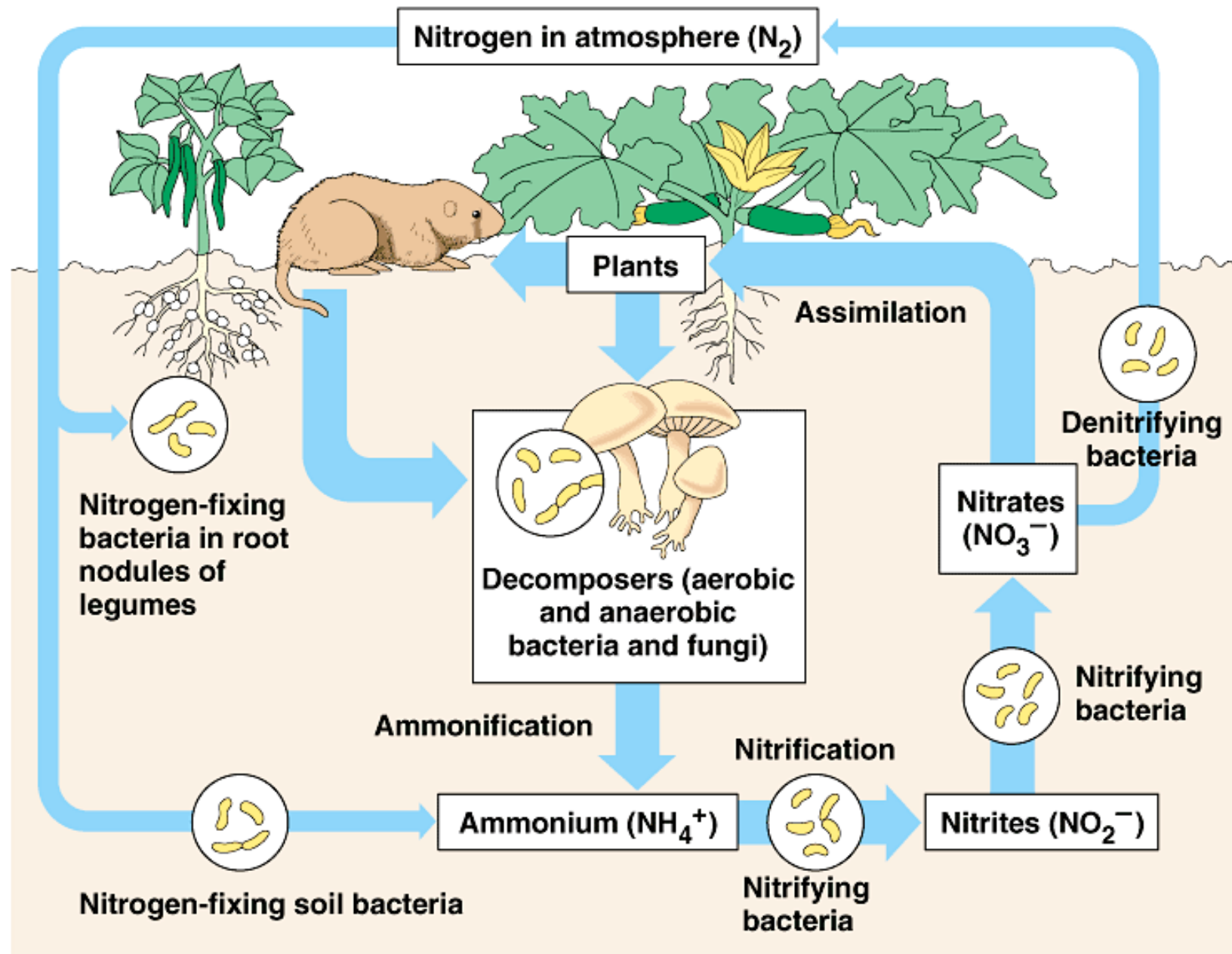


Figure 54.12 The phosphorus cycle

