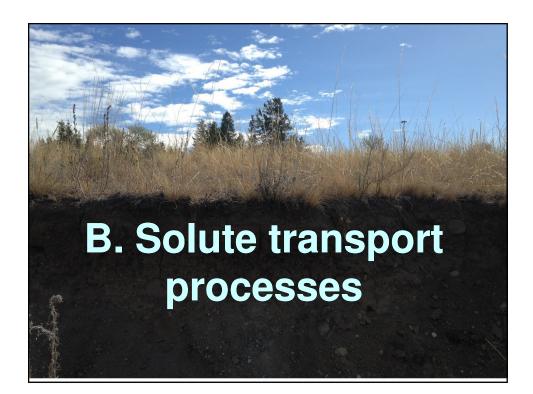


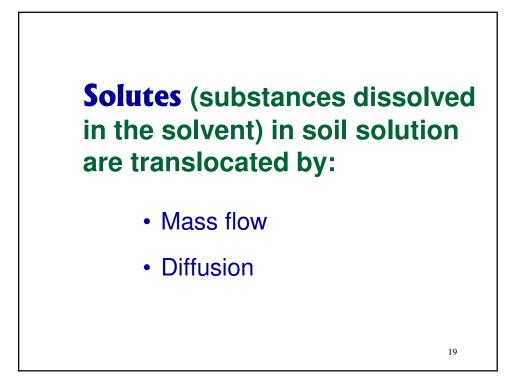
## Oxygen diffusion coefficient (D) for diffusion

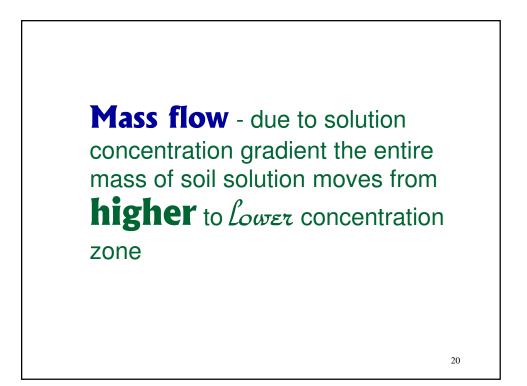
in air is about 10,000 times as large as the coefficient for diffusion in water.

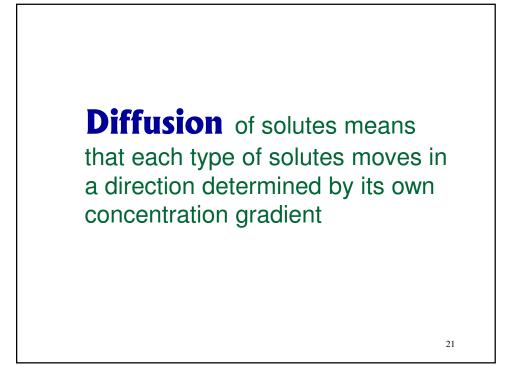
**D** is strongly affected by soil water content

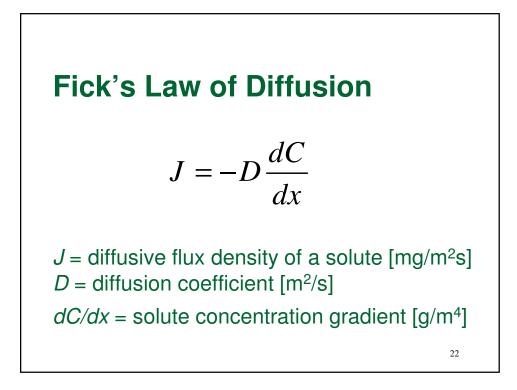
17

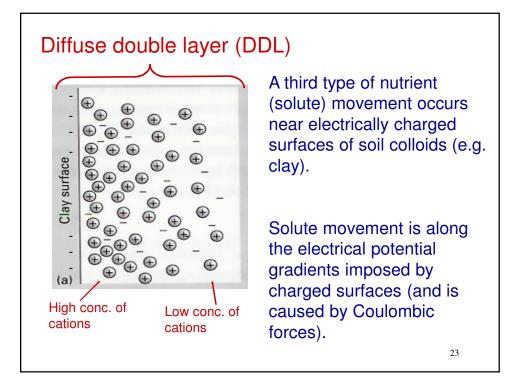


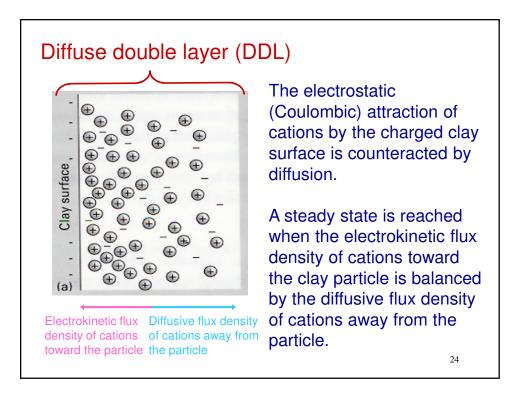


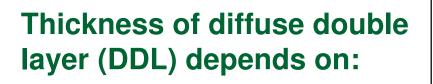












25

- Concentration of soil solution
- Valence of attracted ions
- Cation size (hydration radius)

