

**Water balance equation**

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**Water balance equation**

$$N + W_{\text{syn}} = E + O + \Delta R + \Delta S + D$$

- N = precipitation (specific location)
- E = Evapotranspiration (specific location)
- O = surface drainage (slope, incrustation of foreign matter, etc.)
- $\Delta R$  = time delay of discharge (slowly draining water)
- $\Delta S$  = water stored opposed to gravity (field capacity)
- $W_{\text{syn}}$  = Difference between the water formed in the waste body and the water used
- D = Drainage at the base seal