kNow Your Nitrates

What's in dirt?

NCSE National Center for Science Education
PLANT GROWTH
Nitrate Levels in Drinking Water

-5 pts

-10 pts

-15 pts

-20 pts

-25 pts

-30 pts
Atmospheric Nitrogen ($N_2$) → Plants → Assimilation → Nitrates ($NO_3^-$) → Denitrifying Bacteria → Nitrates → Nitrifying Bacteria → Ammonium ($NH_4^+$) → Ammonification → Nitrites ($NO_2^-$) → Nitrifying bacteria → Nitrates → Decomposers (aerobic and anaerobic bacteria and fungi) → Plants → Nitrogen-fixing bacteria living in legume root nodules → Nitrogen-fixing soil bacteria.