· In May - Soil WITTRB at Noyes

· Soil organisms

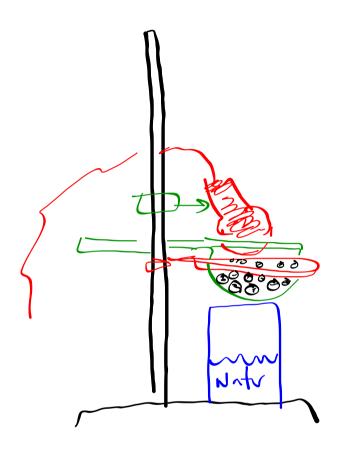
· Focus on Big Picture" - what is important about soil?

· Summary paper - you'll summarize and analyze everything you've tearned about als soil Soil organisms:

· Soil organisms are part of the soil

- Macroinvertebrates - bugs we can
observe without a microscope (Soil
dissection)

· Microinvertebrates - "bygs" we need a supe to see (this week) Soil invertebrates run the machinery that allows waste to be recycled in the soil . They take large pieces of organic waste material and break it down · Utimately, the material can be used again by organisms (PLANTS)
SOIL INVERTEBRATES MAKE FERTILIZER FROM WASTE



· label ringstand with your names (groups of Bonly)
· Plug in and turn on-leave on the back Counter

Nutrients:

· Soils are more likely to retain t charged nutrients (red water was repelled; blue water was absorbed) Since chy is highly regatively changed it is more likely to repol @ nutrients - sometimes people need to add sand or silt to their soil to achieve balance three main soil macronotrients: Potassium: K+ (positive) Nitrogen: NHyt (numonium - positive) ND3 - (nitrate - negative) -> Phospharus: Pay (phosphate - negative) Sometimes even fertilized soils have a phosphons deficiency - because phosphotes about stick that well in the soil

Soil or ganisms;

Take big (hunks of organic material and convert it into smaller chunks of organic material (pre-chared food-one type of organism makes it easier for another to eat)

- and convert it into inorganic material (smaller)

 amino acies -> NHyt and NO3-
- . Take one inorganic molerale and turn it into another type (NHyt -> NO₃-)
 BECAUSE of THIS PROCESS, soils an often deficient in nitrogen as well

