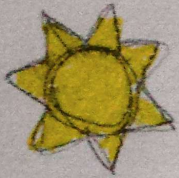
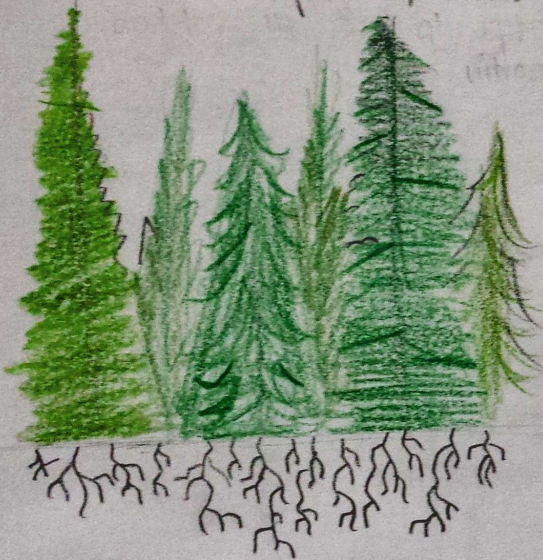


THE NITROGEN CYCLE

In the East Siberian Taiga



plants use energy from the sun to do photosynthesis



atmospheric nitrogen



herbivores eat plants and the nitrogen moves to them



carnivores eat herbivores and the nitrogen's transferred



animal produces waste or dies/decomposes (putting the nitrogen in the ground)



nitrogen fixing bacteria live in legume roots

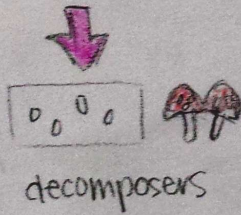
assimilation (nitrates are absorbed by plants)

excess nitrogen in the soil is released into the air

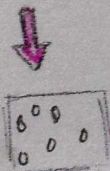
denitrifying bacteria

nitrites go to nitrites bacteria

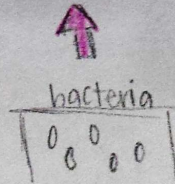
denitrification



decomposers



nitrogen fixing soil bacteria

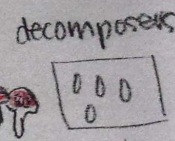


bacteria

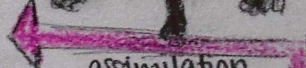
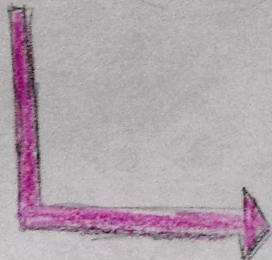
ammonification

ammonium is changed into nitrites

Fixation

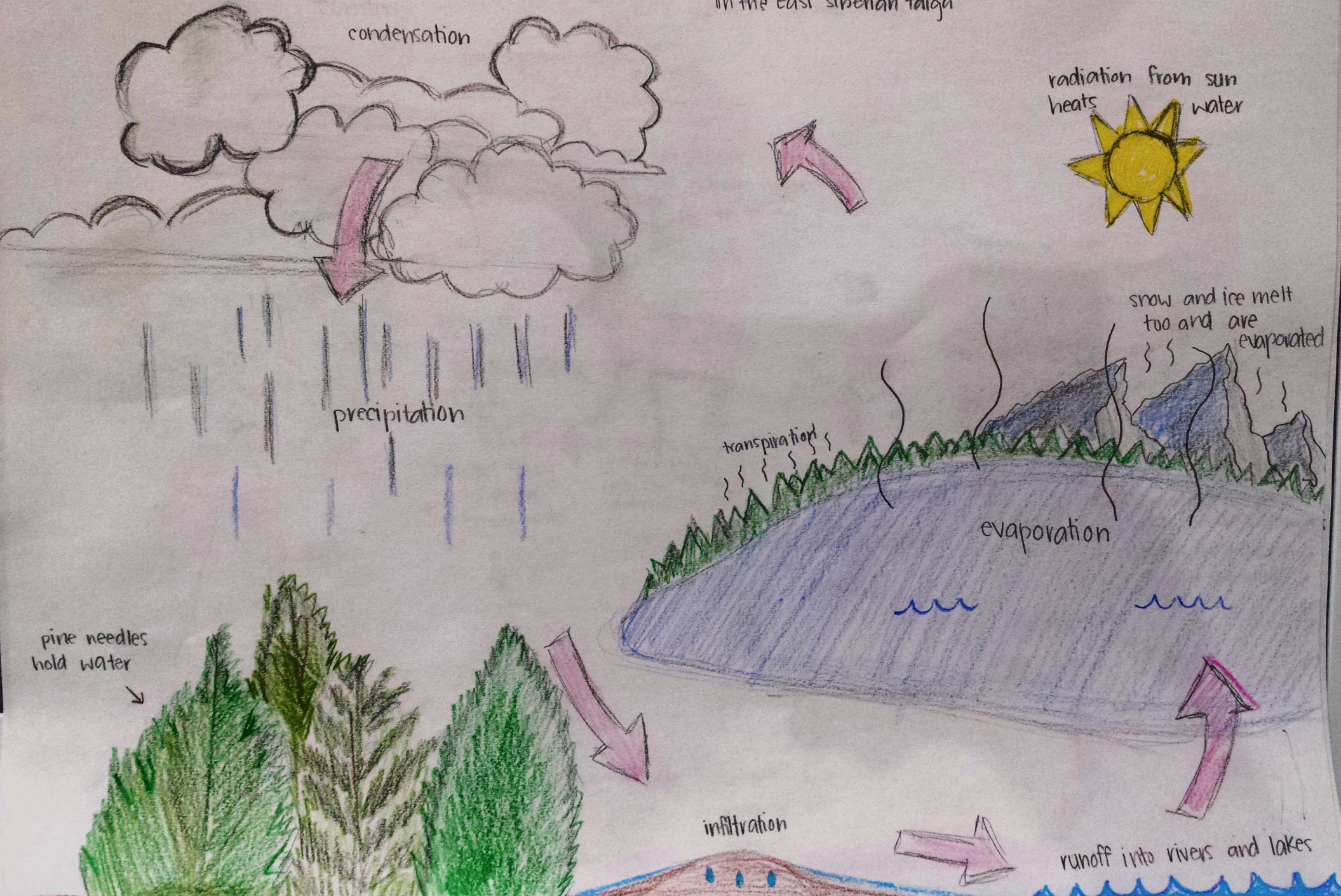


decomposers



THE WATER CYCLE

In the East Siberian taiga



THE CARBON CYCLE

In the East Siberian Taiga

