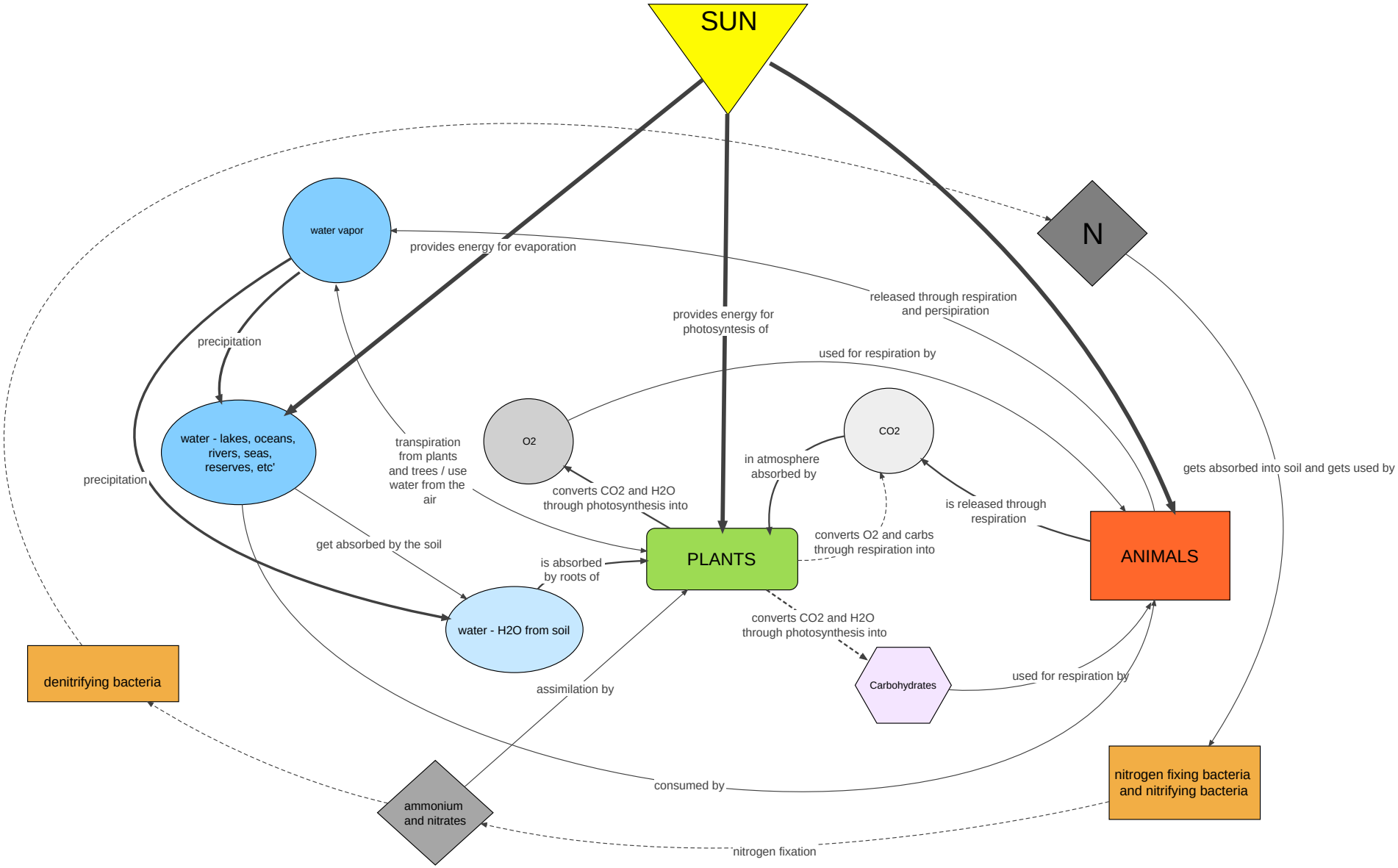
SUN
N
water vapor
provides energy for evaporation
released through respiration and persipiration
provides energy for photosyntesis of
precipitation
used for respiration by
water - lakes, oceans, rivers, seas, reserves, etc'
transpiration from plants and trees / use water from the air
O2
CO2
in atmosphere absorbed by
gets absorbed into soil and gets used by
precipitation
converts CO2 and H2O through photosynthesis into
is released through respiration
get absorbed by the soil
PLANTS
converts O2 and carbs through respiration into
ANIMALS
is absorbed by roots of
water - H2O from soil
converts CO2 and H2O through photosynthesis into
denitrifying bacteria
Carbohydrates
used for respiration by
assimilation by
consumed by
nitrogen fixing bacteria and nitrifying bacteria
ammonium and nitrates
nitrogen fixation