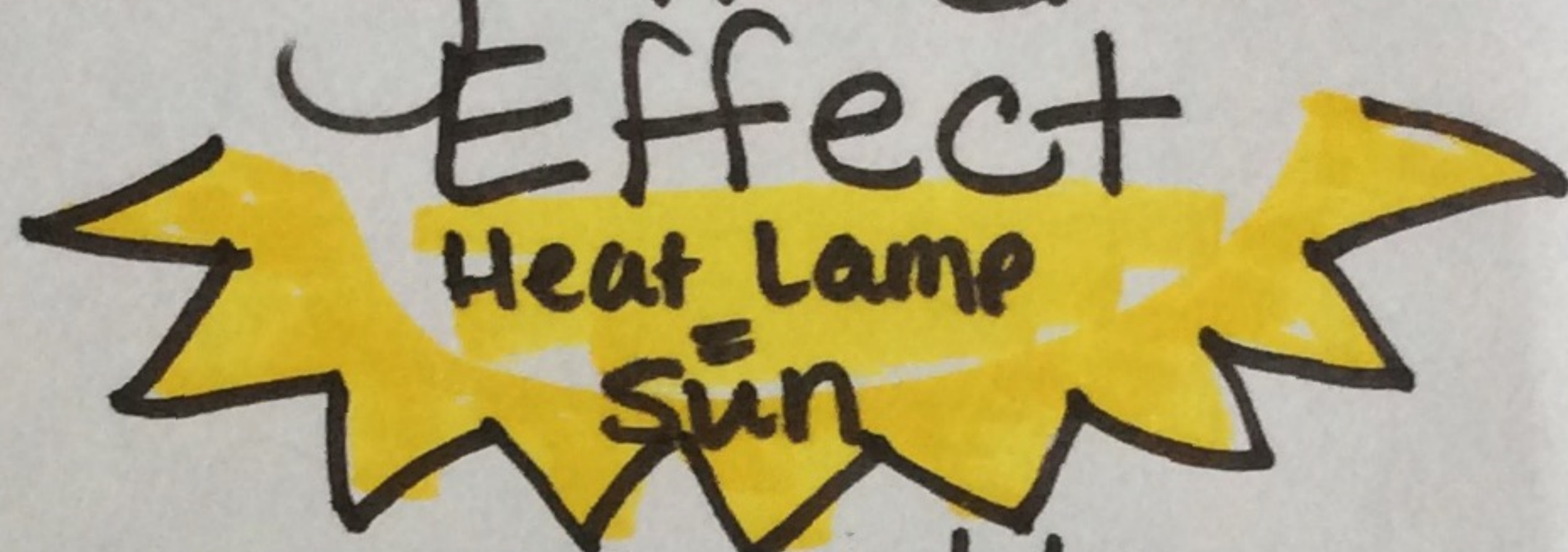


Modeling the Greenhouse Effect



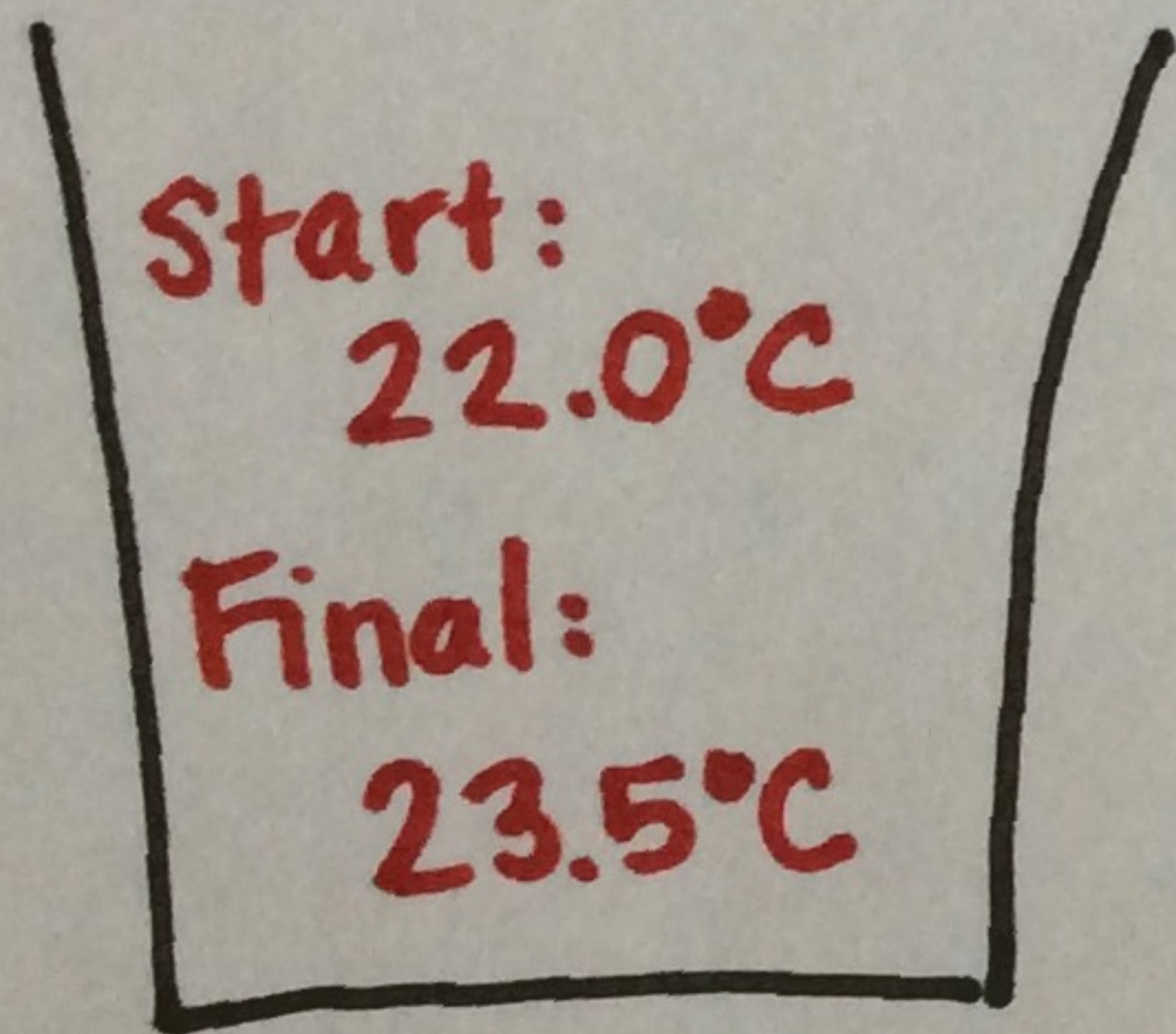
Tank 1 models Earth with no atmosphere

Tank 2 models Earth with our atmosphere

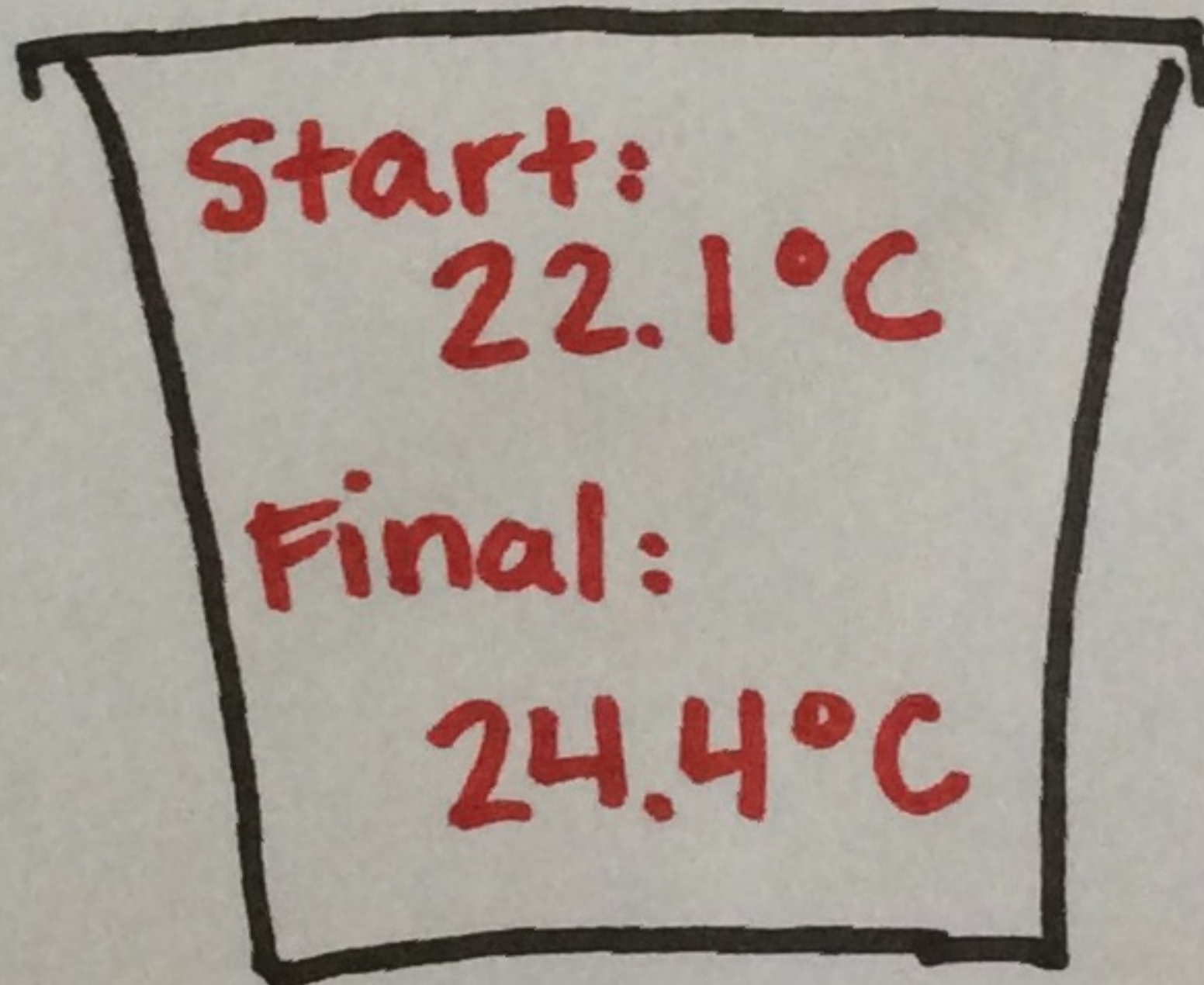
Tank 3 models Earth with our atmosphere PLUS higher levels of CO_2 , a greenhouse gas.

Open

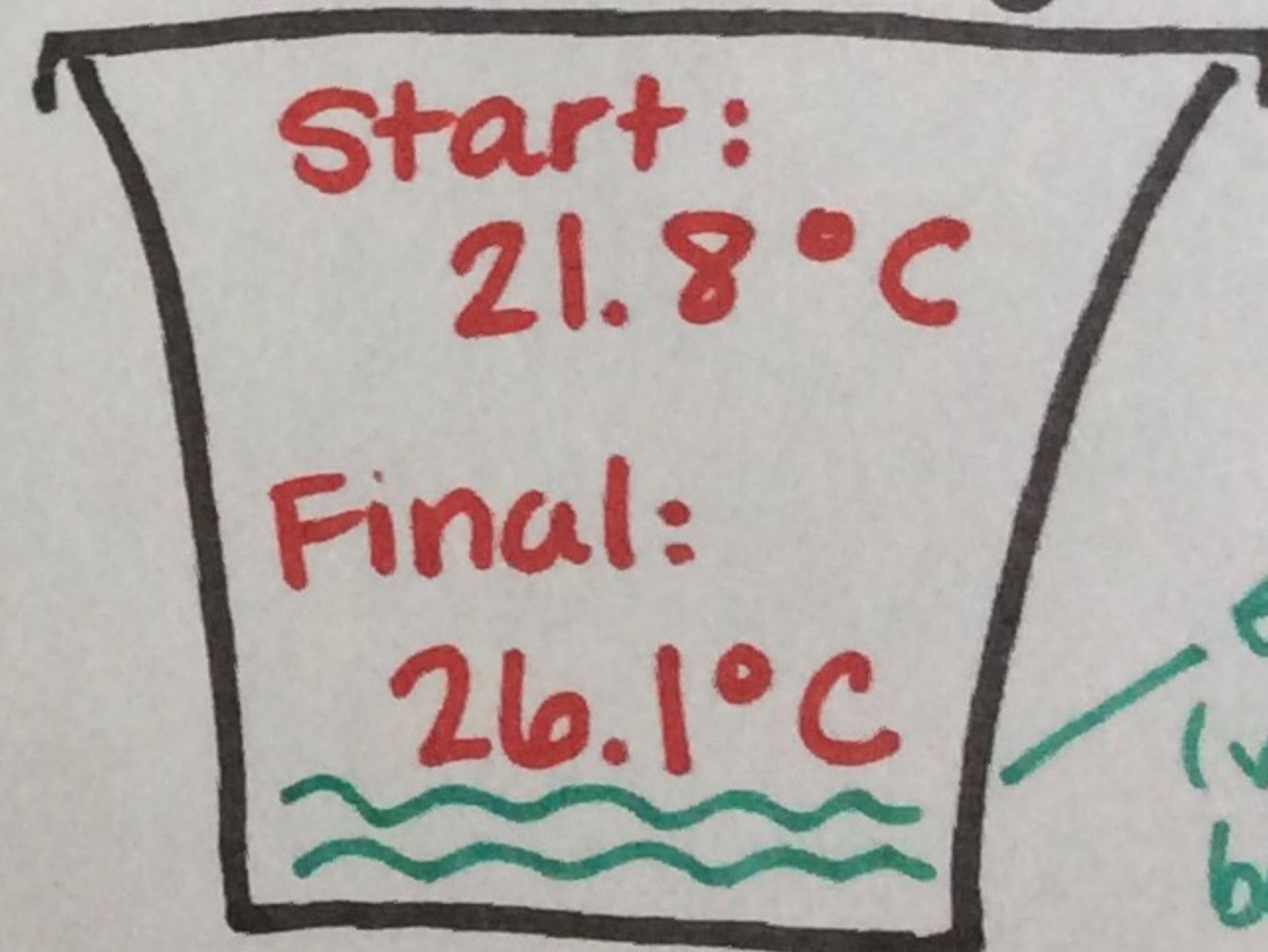
Plastic wrap



Tank 1
open top,
normal air



Tank 2
closed top,
normal air



Tank 3
closed top,
extra CO_2

extra CO_2
(vinegar +
baking soda)

The bottom of each tank is the Earth's surface, converting light energy to heat energy.