Where have we studied homeostasis? (Use this table to record as many different circumstances as you can in which the concepts related to this topic apply. Don't just record the obvious ones mentioned explicitly by the instructors, learn to find others. Compare yours to your partners' from time to time. If you fill this one, print another!)

Situation	Description	Scenario /Lab
Osmoregulation - regulation of water concentrations within the body	Organisms must maintain concentrations of water within their bodies, or excess water will diffuse in or out of their cells. Organisms have evolved many complex ways of moving water into or out of their cells, to maintain homeostasis within environments that do not necessarily reflect the water concentrations that are needed for them to survive. i.e. saltwater organisms must retain water in their cells, to maintain water levels that exceed those of their surroundings.	Fire and Ice

Homeostasis: the ability of an organism to maintain constant body temperature, fluid balance, and chemistry.