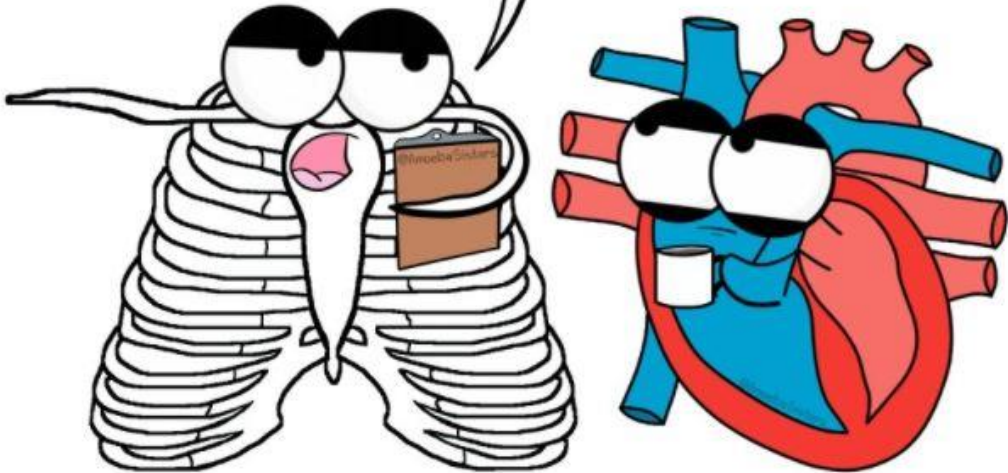


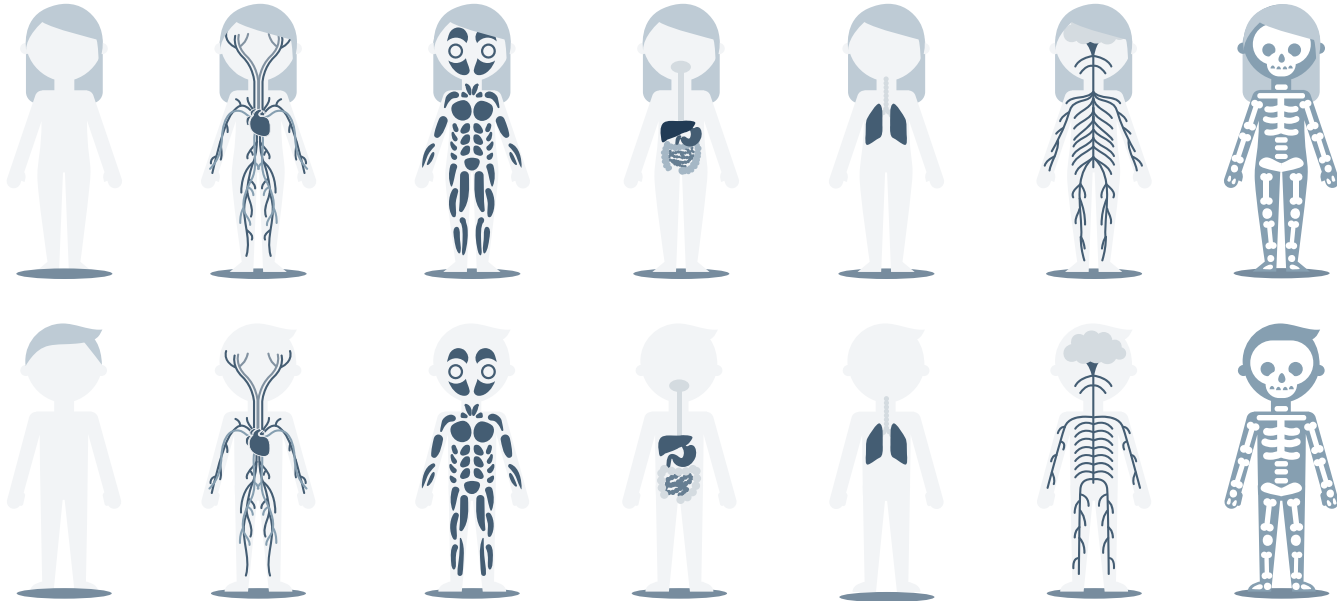
The human wants to go swimming. We have a meeting with the muscular system.



The teamwork of the human body systems isn't always glamorous.



# How do all of these work together to keep you alive?





# Homeostasis and Feedback

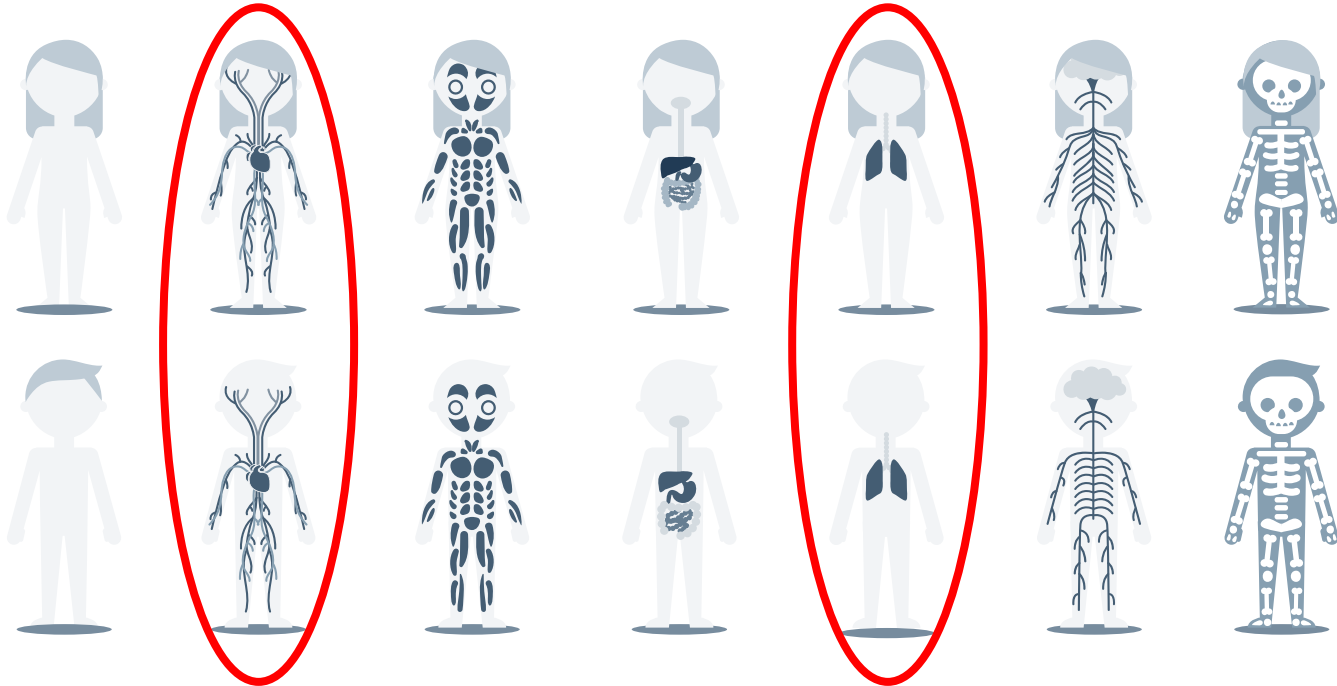
with the Amoeba Sisters



**So what is  
homeostasis?**



# How do all of these work together to keep you alive?



# How do the systems help make this happen?



# How do the systems help make this happen?



# How do the systems help make this happen?





# How do the systems help make this happen?



# How do the systems help make this happen?





**What is  
homeostasis?**


# HOMEOSTATIS





# Life's Edge by Carl Zimmer

"All the vital mechanisms, however varied they may be, have only one object, that of preserving constant the conditions of life in the internal environment." So wrote the French biologist Claude Bernard in 1865. Bernard observed that our internal environment is mostly water. When our body's water supply starts running low, we get thirsty, causing us to replenish it. In 1926 the Harvard physiologist Walter B Cannon updated Bernard's concept and gave it its modern name: homeostasis.



**How do the  
systems work  
together to  
keep you  
alive?**



I see a light. Should I go into the light?  
I'm going into the light.

Give this note to my mother.

Hi Mom!  
-L

WE HAVEN'T  
EVEN STARTED  
EXERCISING!

Yeah but we parked  
pretty far away!