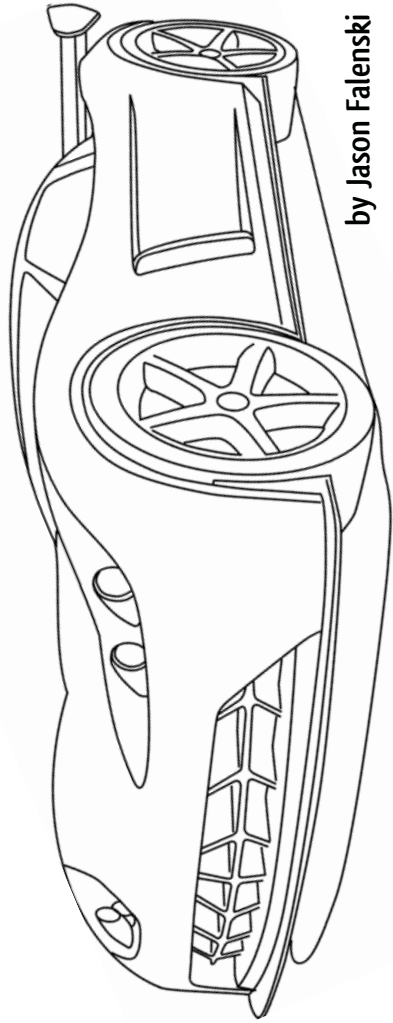


YOU
AND YOUR
CAR!

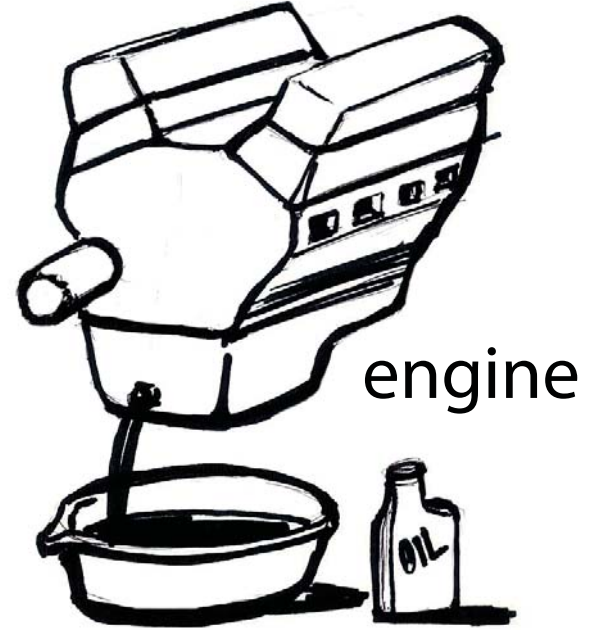
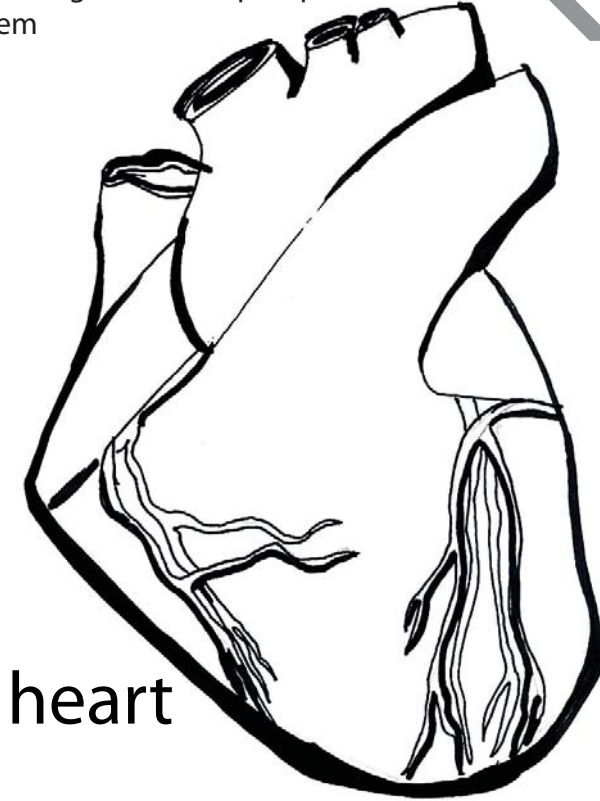
under the hood



by Jason Falenski

...the system that moves blood throughout the heart, just like the engine of a car pumps oil through its system

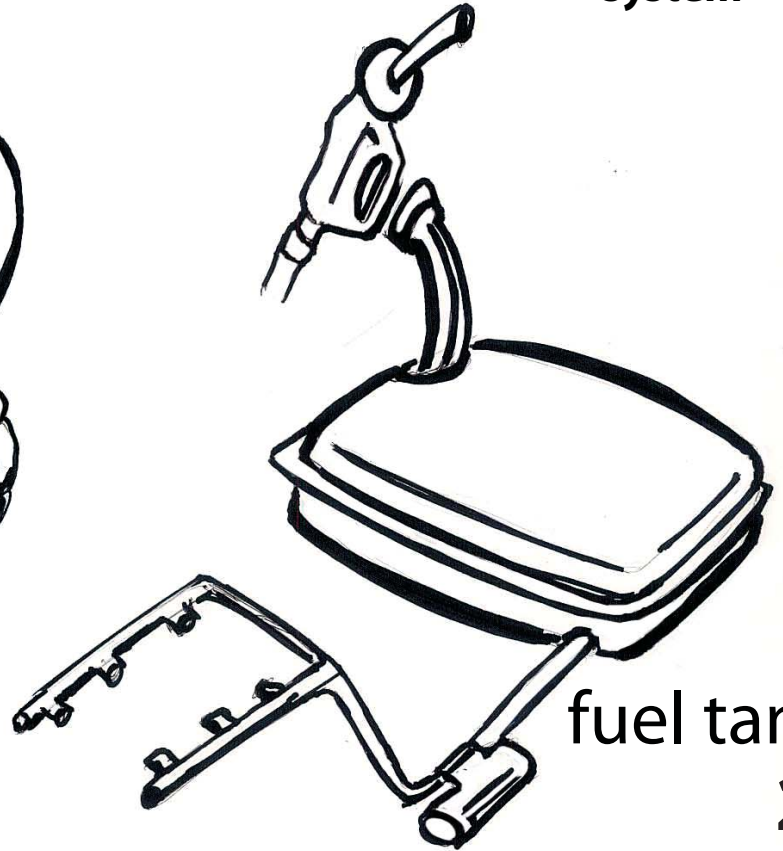
circulatory system



...the organs responsible for getting food into and out of the body and for making use of it, just like the fuel tank transfers gas into the engine for combustion

digestive system

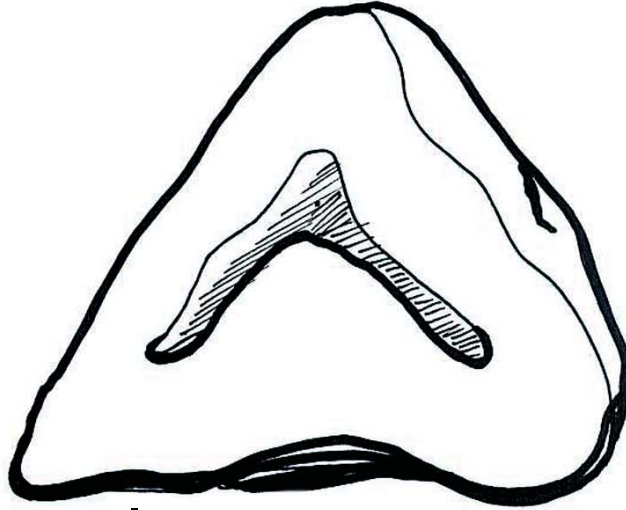
intestines



fuel tank

...a gland that secretes a hormone of adrenaline into the bloodstream, just like nitrous oxide can be mixed into the gas to add power to the engine

endocrine system

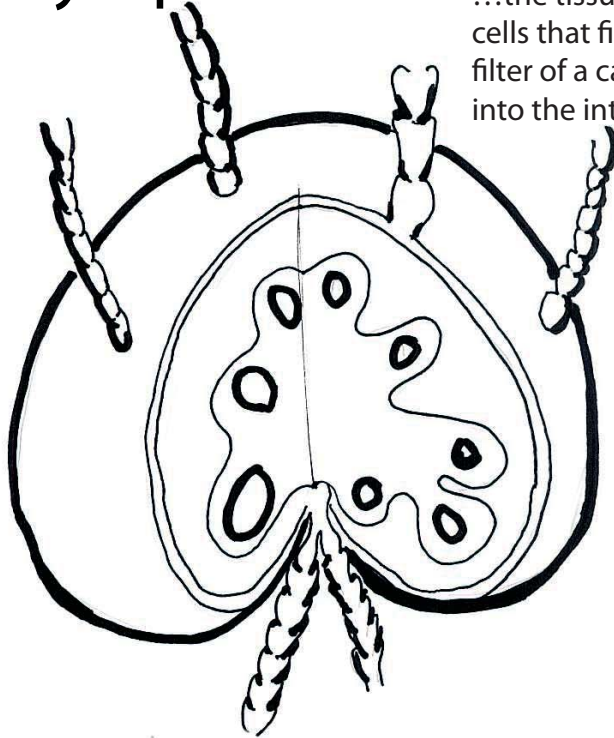


adrenal cortex



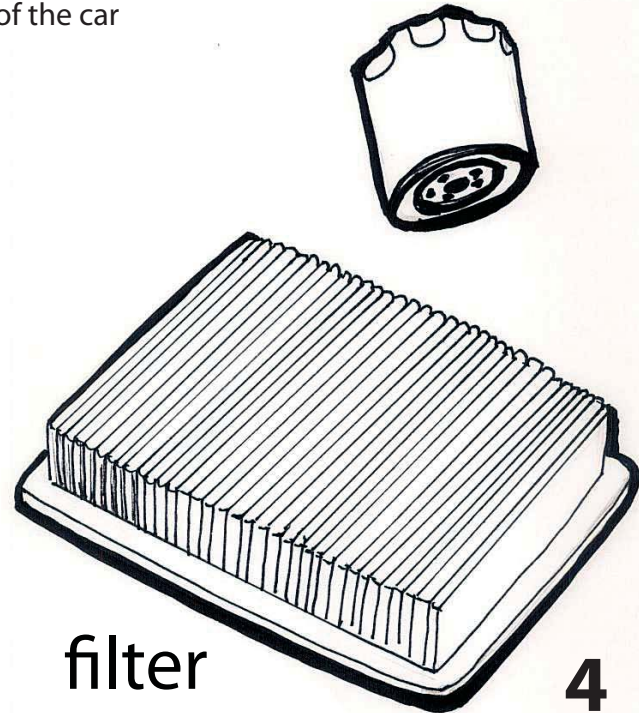
nitrous oxide

lymph node



...the tissues and organs that produce and store cells that fight infection and disease, similar to the filter of a car which filters the air that is pumped into the interior of the car

lymphatic system

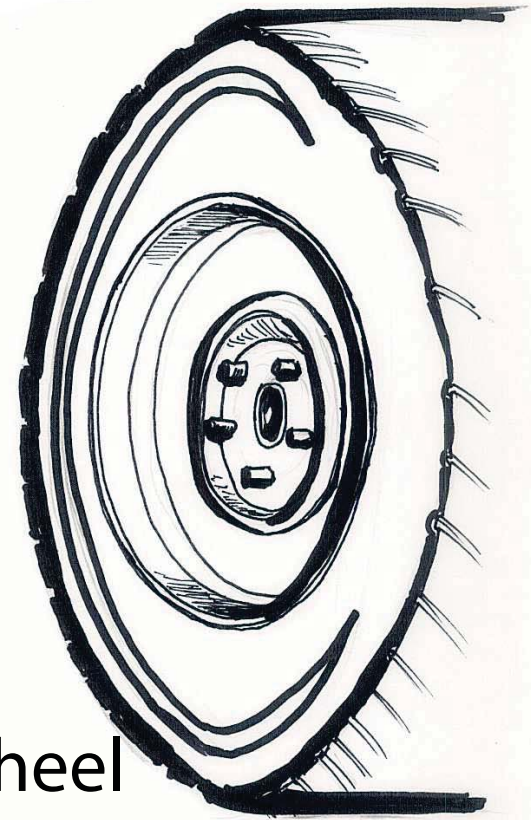
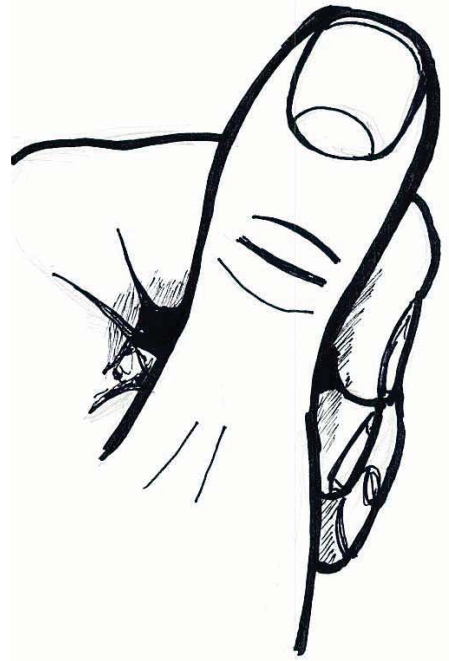


filter

...formed by the skin, hair, and nails that surround the body, similar to how a tire wraps around the rim that connects to the axle of the car to propel it

integumentary system

skin/nails

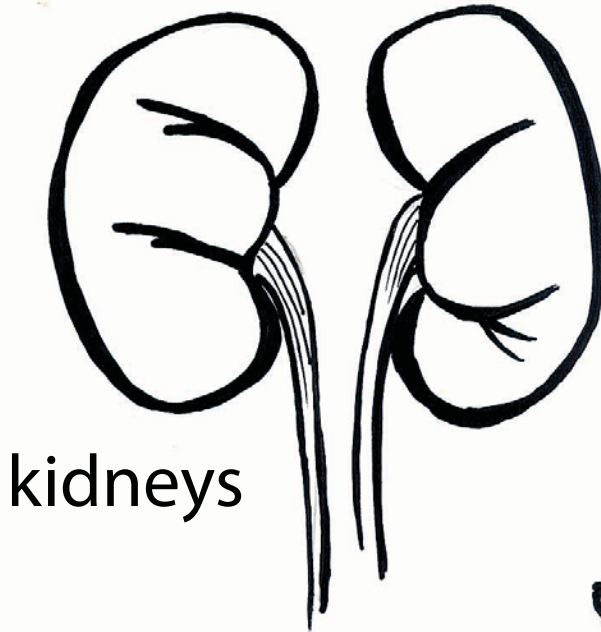


5

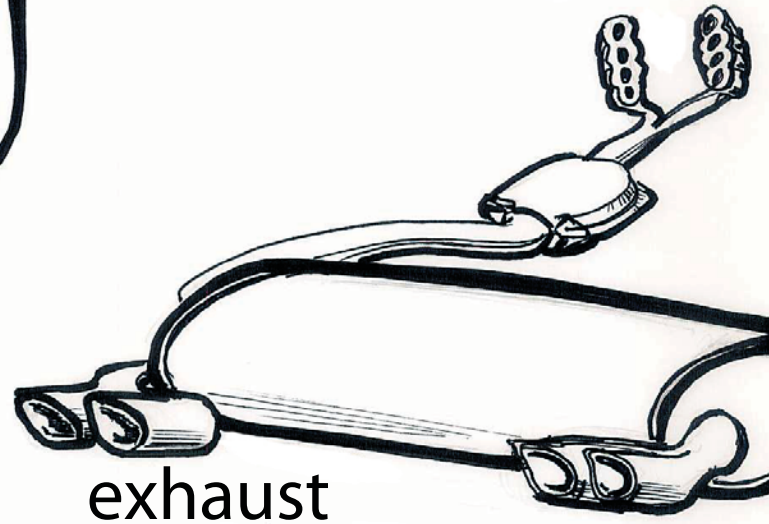
wheel

...the kidneys process blood to sift out waste and extra water, similar to the exhaust system of a car which gets rid of the unwanted toxic air

disposal system



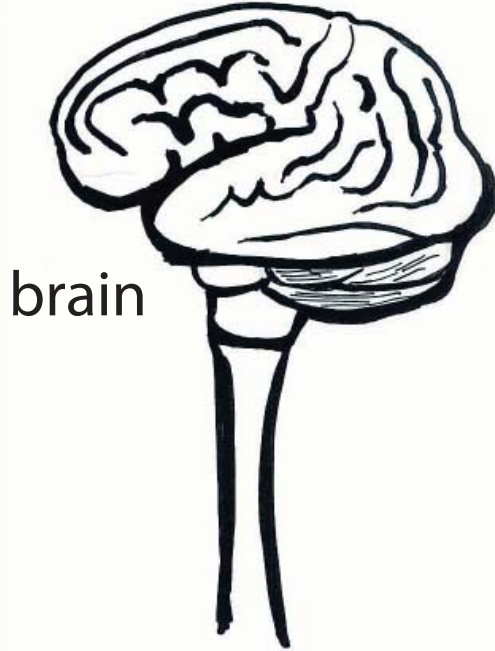
kidneys



exhaust

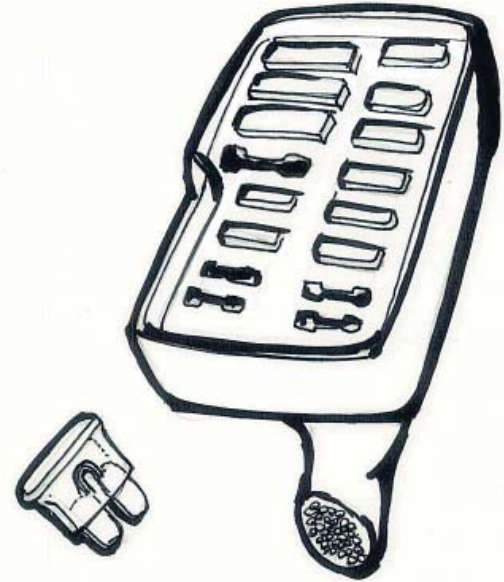
...the central part of the nervous system that sends the parts of your body signals to function, it is like the electronic control module of a car which sends messages to the different parts of the car to allow it run

the brain



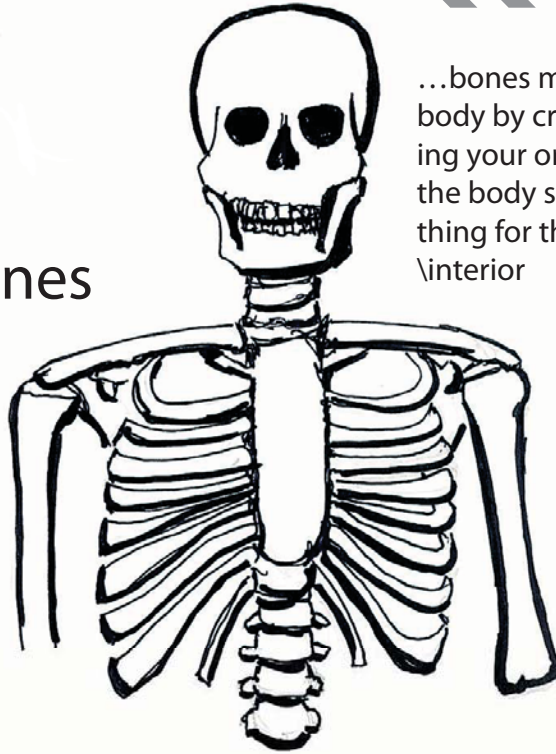
brain

control module



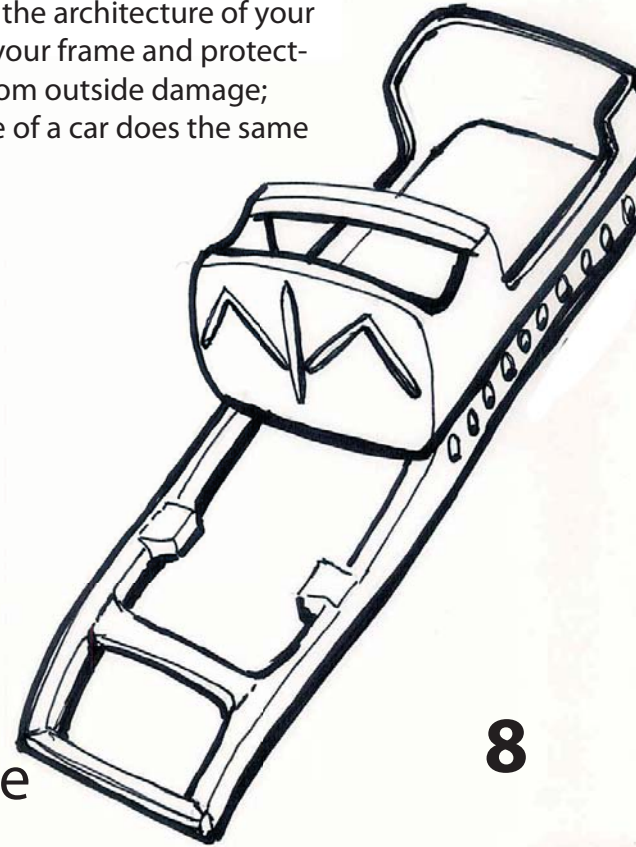
skeletal system

bones



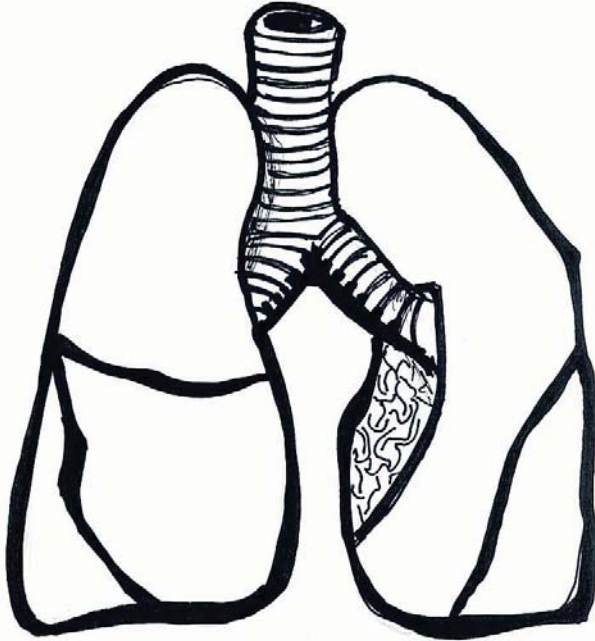
...bones make up the architecture of your body by creating your frame and protecting your organs from outside damage; the body structure of a car does the same thing for the interior

vehicle frame



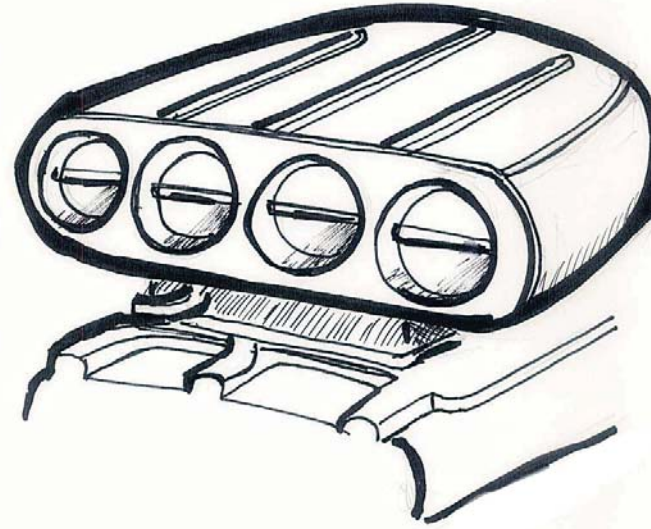
...your lungs take in needed oxygen and turn it to carbon dioxide, which is then exhaled; the air intake of a car does the same thing

respiratory system

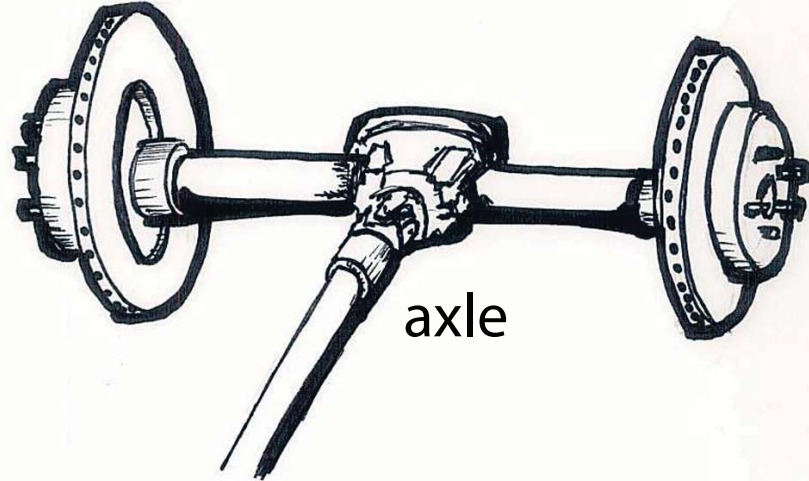
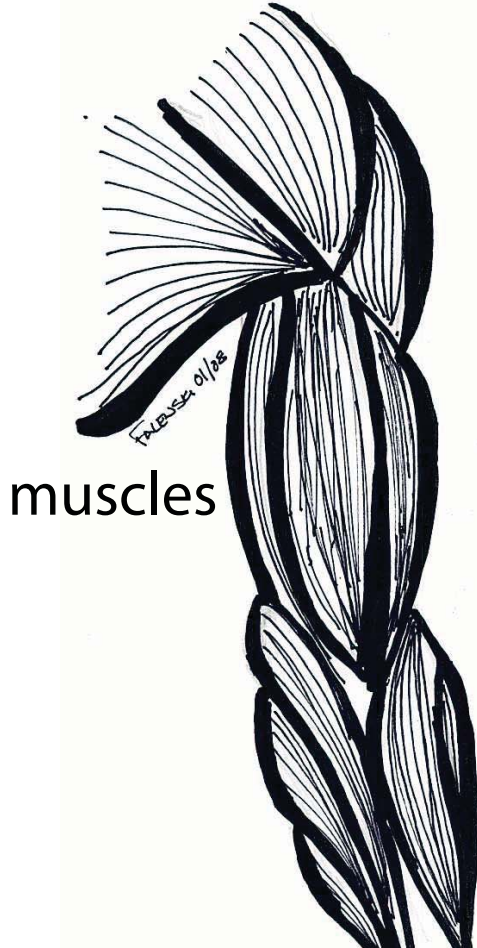


lungs

air intake



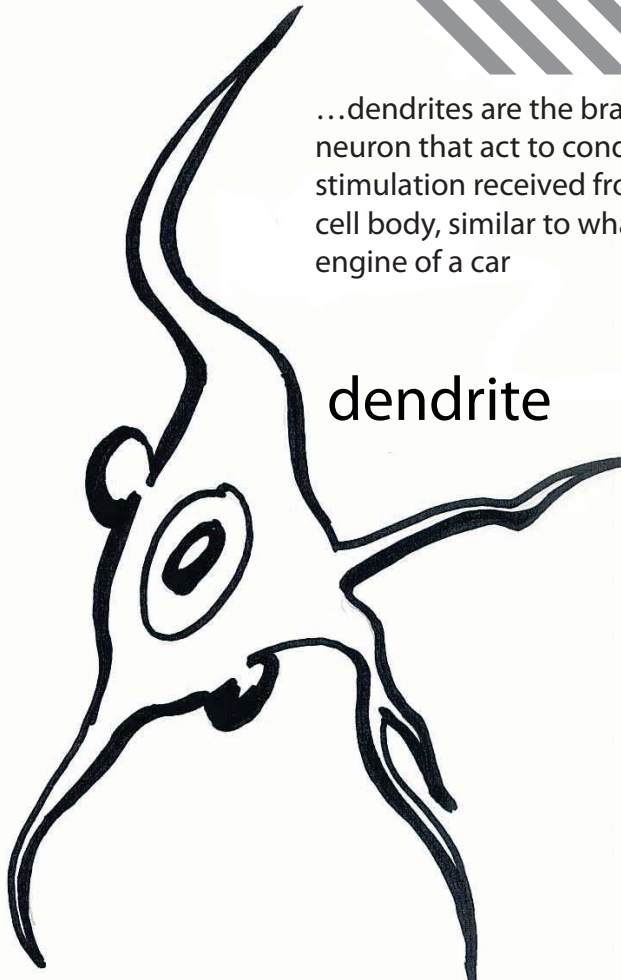
muscular system



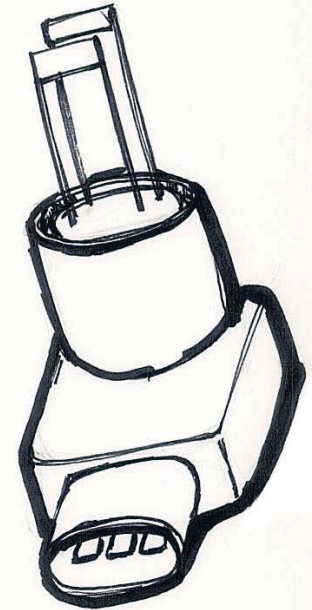
...muscles are the "engine" that your body uses to propel itself. Although they work differently than a car engine or car axle, muscles do the same thing -- they turn energy into motion

nervous system

...dendrites are the branched projections of a neuron that act to conduct the electrochemical stimulation received from other neural cells to the cell body, similar to what a spark plug does to the engine of a car



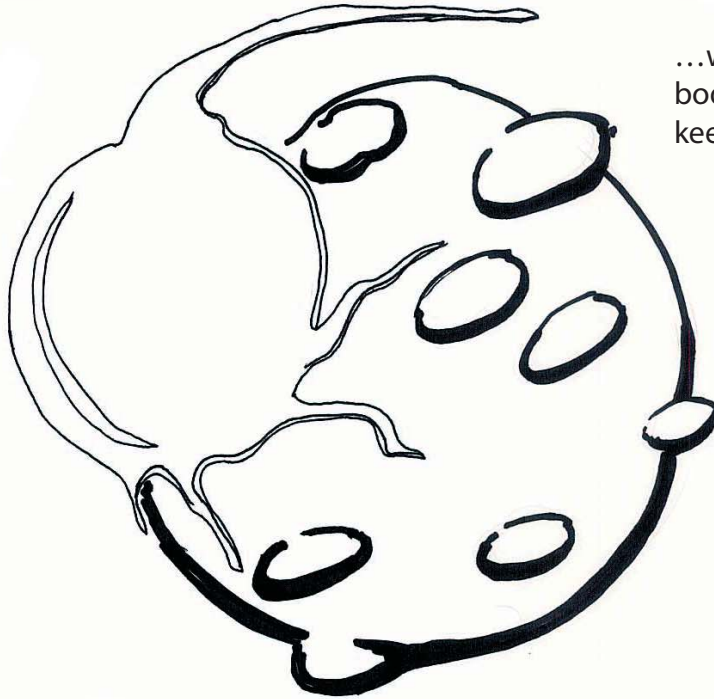
dendrite



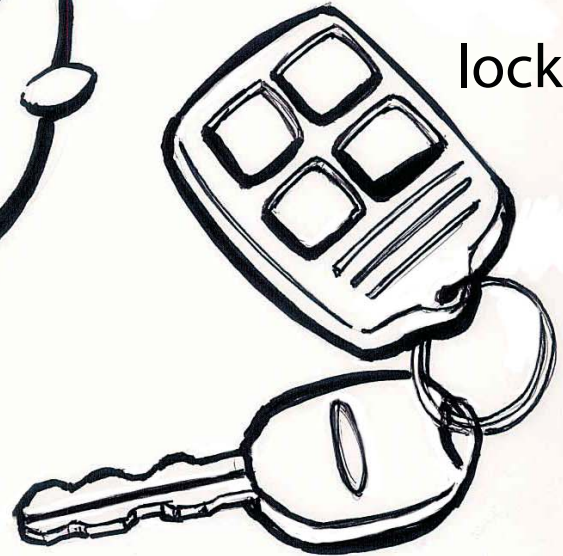
spark plug

immune system

...white blood cells are the protectors of your body, much like the locks on your car. They both keep unwanted things out.



white blood cell



lock