

# SYSTEMS

CONTROL

Nervous  
Endocrine

FUEL • WASTE

Respiratory

Digestive System  
Urinary

TRANSPORT  
Circulatory

Musculoskeletal

DEFENSE  
Immune Lymphatic

Integumentary

sensory HOMUNCULUS  
-map of sensory input  
from your body-



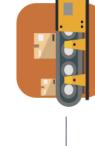
ANTENNA  
-detects and process  
soundwaves-



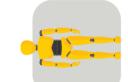
small brain  
-streamlines MOTION-  
-on the side



CONVEYER BELT  
-transports food down,  
sometimes up-



small brain  
-streamlines MOTION-  
-strong FRAME,  
flexible joints  
-support, protect,  
blood cell factory-



BATTLE STATIONS  
-lymphocytes = bodyguards-



TUBE SYSTEM  
-drains tissue fluid  
like a bilge pump-



spongy airbags  
-like FANS for airflow-



gas PORTALS  
-O<sub>2</sub> & CO<sub>2</sub> exchange-



STRESS control center  
-sends hormone messages  
e.g. adrenalin and cortisone-  
behind stomach



FOOD MIXER -mixes food and  
secretes acid to digest proteins-



blood SUGAR control  
-with insulin and glucagon-



CLEAVER KNIVES  
-enzymes that digest food-  
5' long mechanical food pipe  
-stores and eliminate waste  
like a GARBAGE TRUCK-



STORAGE TANK  
-for urine-



**FLYING  
FOOTBALL  
WORKSHEET**

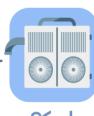
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The CAPTAIN of your ship  
-think, decide, act, control-



EMOTION  
-control centers-  
specialized CAMERA  
-detects photons-



AIR CONDITIONER  
-filters and moistens air-  
MACHINES -crush and  
move food, detect chemicals,  
and protect against invaders-



LID for the windpipe  
-keeps food out-  
windpipe with a tiny  
CONVEYER BELT  
-removes micro-trash-



PULLEY SYSTEM  
-action, transport-



SPACESUIT  
-protection,  
regulation,  
sensation-



eliminates POISONS  
a FACTORY that  
builds nano-machines  
(proteins)

glycogen (energy) STORAGE  
-works like a backup battery-

DEFENSE  
management center



bile STORAGE TANK  
-for waste and digestive salts-



tiny FUEL FILTERS  
-clean blood and  
produce urine-



20' long food pipe  
-extracts nutrients like  
a JUICE EXTRACTOR-

safehouse for ROBOTS  
(the good bacteria)