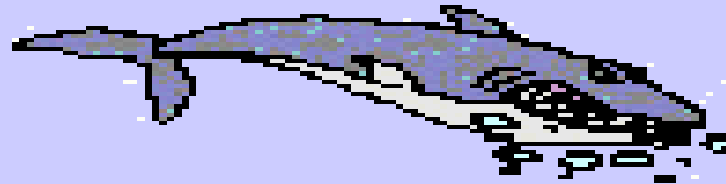


Parts & Functions



By Kelly Riedell/Brookings Biology

What's the part?

1st part of intestine where
bile and trypsin are added duodenum

Hormone that causes cells to take up
glucose from blood and
store it as glycogen insulin

Digestive enzyme that helps
break down fats bile

What's the part?

Stores urine Urinary bladder

Hormone that causes cells to release
stored glucose into
the bloodstream glucagon

Digestive enzyme that helps
break down proteins trypsin

What's the part?

Controls buoyancy Swim bladder

Makes bile liver

Makes trypsin pancreas

Stores bile Gall bladder

Makes, stores, processes
red blood cells spleen

What's the part?

Exit for sperm & urine

OR eggs & urine **Urogenital pore**

Makes insulin &
glucagon

pancreas

Exchanges gases **gills**

Osmoregulation **Kidneys** & **gills**

Processes toxins for kidneys **liver**

What's the part?

Exit for feces anus

Senses vibration &
water pressure Lateral line

Covers & protects gills operculum

Blood vessels where
gas, nutrient, and waste
exchange happens capillaries

What's the part?

Blood vessels that carry
blood away from the heart arteries

Stores glycogen & vitamins liver

Bone that protects the brain cranium

Blood vessels that carry
Blood back to heart from body veins

Pumping chamber of heart ventricle

What's the part?

Molecule used by animal cells to store glucose glycogen

Removes nitrogen waste from blood and makes urine kidneys

Fingerlike extensions that increases surface area villi
INSIDE the intestine

Makes acid and starts digestion stomach

What's the part?

Make sperm testes

Receives and processes info from
visual, Auditory (hearing) &
lateral line systems Optic tectum

Contain bacteria to digest plants
Pyloric caeca

Provide protection to skin
& reduce water resistance scales

What's the part?

Receives and processes info
about smell _____

Olfactory lobes

Controls motor function;
muscle coordination & balance _____

cerebellum

Coordinates info from
other parts; Higher thinking
(memory; learning; reasoning) _____

cerebrum

Tubules that carry sperm
from testes to exit _____

Vas deferens

What's the part?

Receives and processes info
about smell _____

Olfactory lobes

Controls motor function;
muscle coordination & balance _____

cerebellum

Coordinates info from
other parts; Higher thinking
(memory; learning; reasoning) _____

cerebrum

Tubules that carry sperm
from testes to exit _____

Vas deferens

What's the part?

Relays sensory info from body;

Controls autonomic internal Medulla oblongata
organs

Carries nerve signals to Spinal cord
and from brain and body

Skeleton INSIDE the body endoskeleton

What's the part?

Receives blood returning
to the heart

Sinus venosus

Smooths the flow of
blood leaving the heart

Conus arteriosus

Type of nitrogen waste
excreted by fish

ammonia

What's the part?

Receives blood from
sinus venosus and sends
it to ventricle

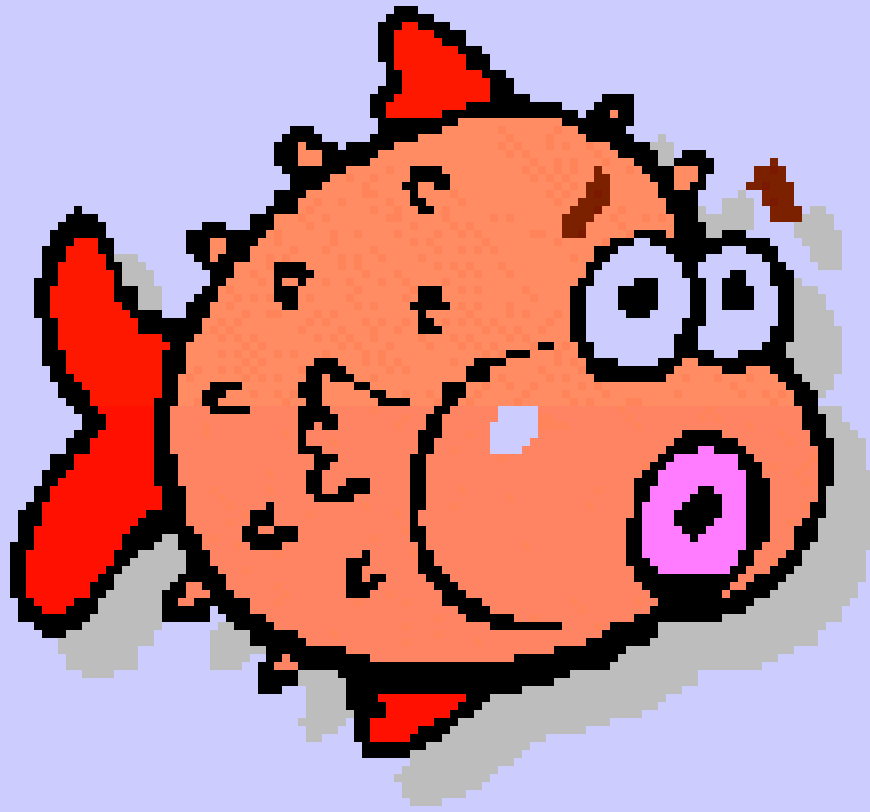
atrium

Absorbs nutrients &
collects digestive waste

intestine

Tube that connects
pharynx to stomach

esophagus



THE END