

There are six important function to tissues and organs:

digestion

respiration

circulation

conduction of nerve impulses

support

excretion

Oct 12 - 11:11 AM

Digestion

Single cell organisms digest their food

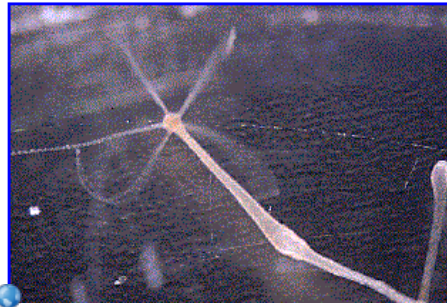
inside their cells.

Other animals use digestive enzymes

outside of their cells.

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Gastrovascular cavity-
a digestive cavity with one opening.



<http://www.ucmp.berkeley.edu/cnidaria/hydrozoa.html>

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Other animals have a digestive
tract with 2 openings
(mouth and anus)

This system allows for
specilization.



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Respiration

Respiration is the uptake of Oxygen and the release of Carbon dioxide.

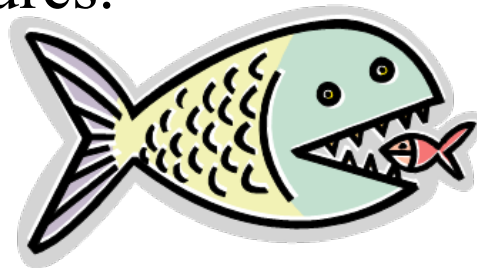
It can only take place across a moist surface.

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Simple animals use diffusion



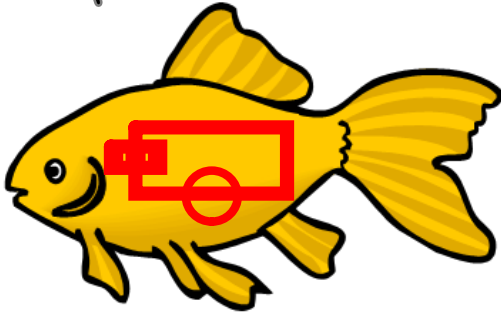
Complex animals have specific respiratory structures.



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Circulation

open circulatory system

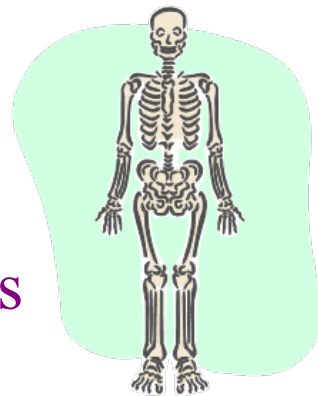


closed circulatory system



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Conduction of nerve impulses



Members of all the major animal phyla except Sponges have nerve cells.

Nerve net- all cells are similar and linked together



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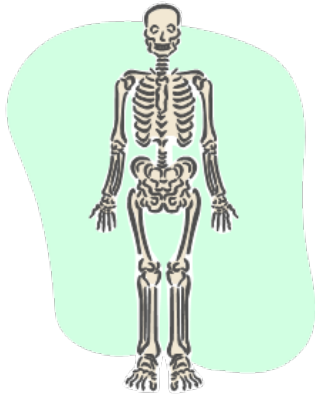
Support

Hydrostatic skeleton- water that is contained under pressure in a closed cavity. jellyfish

Exoskeleton-a rigid external skeleton
spider, ant, crab

Endoskeleton- hard material within the animal
human, giraffe, frog, turtle

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Excretion
Removal of
wastes produced
by cellular
metabolism

Oct 12 - 11:26 AM

Aristotle



land-air-water

Shrub = tree - flower

Sep 19-11:00 AM

Linnaeus

2- name
Latin

Sep 19-11:03 AM

Homo sapien

1st word capital
2nd word lowercase

Underlined or italicized

Sep 19-11:04 AM

Kingdom
Phylum
Class
Order
Family
Genus
Species

Sep 19-11:07 AM