There are six important function to tissues and organs:

digestion respiration circulation conduction of nerve impulses support excretion Digestion

Single cell organisms digest their food INSIG their cells.

Other animals use digestive enzymes

Gastrovascular cavitya digestive cavity with <u>ne</u> opening.



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





Respiration

Respiration is the uptake of $\underbrace{\text{Oxygen}}_{\text{and}}$ and the release of $\underbrace{\text{Carbon}}_{\text{and}}$

It can only take place across a \underline{MOS} surface.





Conduction of nerve impulses

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

Nerve net- all cells are similar and <u>Connected</u> together

Cephalization-anterior concentration of sensory structures and nerves

Support Hydrostatic skeleton- water that is

contained under pressure in a closed

cavity. <u>Jellyfinh</u> Exoskeleton-a rigid external skeleton <u>OH Clam</u> Endoskelton- hard material within the animal human



Excretion Removal of wastes produced by cellular metabolism