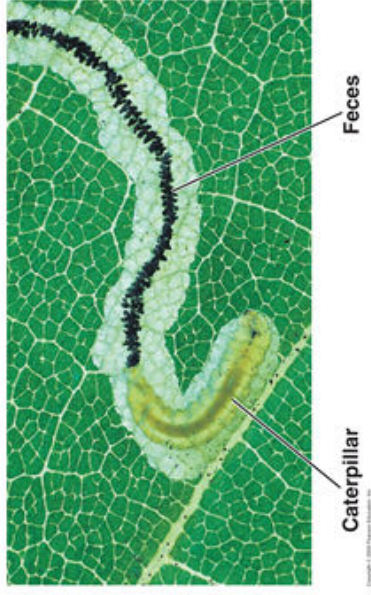
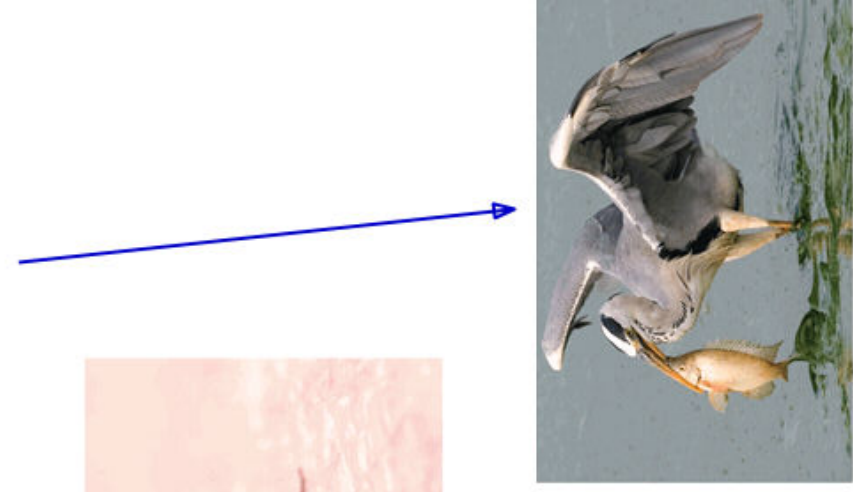
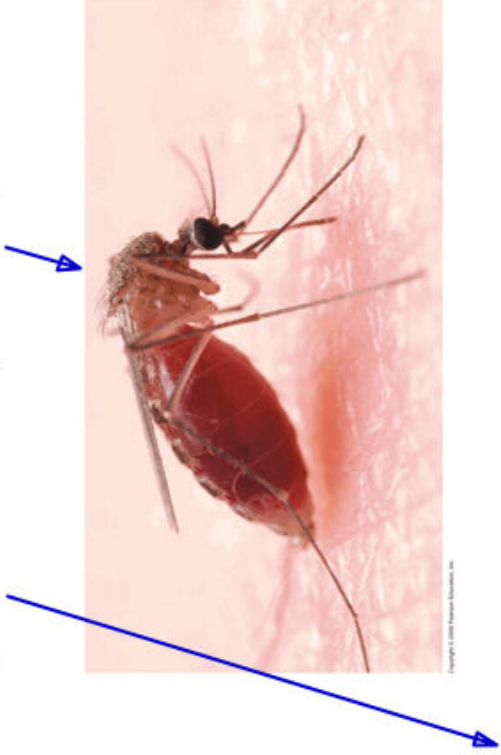


Animal Ingestion: What? How?

What: Herbivore, Carnivore, Omnivore

How: Suspension, Substrate, Fluid, Bulk feeders

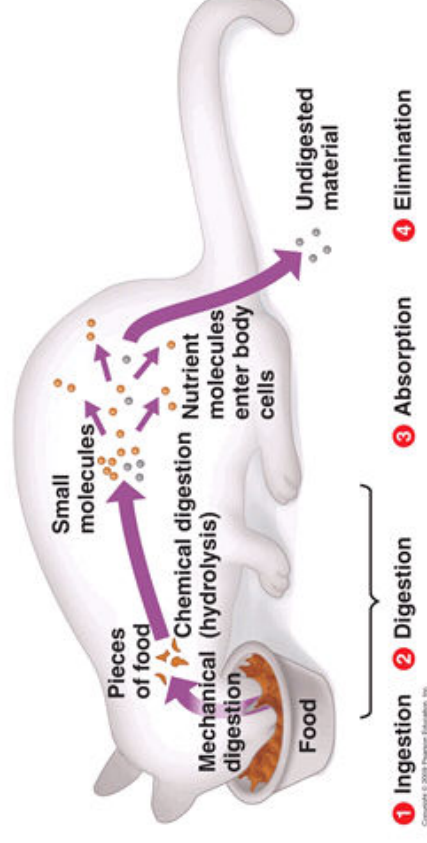


Ingestion vs Digestion

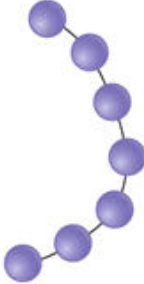
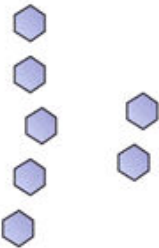
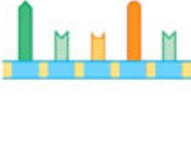
-the "act" of eating
-the "how"

-the chemical "breaking down
of large molecules into their
component parts, via
enzymatic hydrolysis

The Stages of Food Processing:



Chemical Digestion

Macromolecule	Components
 Protein Protein-digesting enzymes →  Amino acids	
 Polysaccharide Carbohydrate-digesting enzymes →  Disaccharide  Monosaccharides	
 Nucleic acid Nucleic acid-digesting enzymes →  Nucleotides	
 Fat Fat-digesting enzymes →  Glycerol Fatty acids	

An Organism's Digestion is Compartmentalized...

this allows for specialization of compartments in terms of both their structures and functions

