

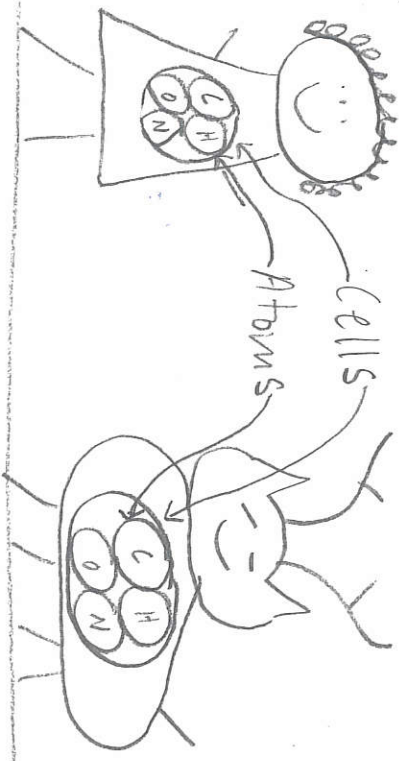
CHON

Carbon Hydrogen Oxygen Nitrogen

4 main elements in living things

Mrs. CHON

Deer



Biomolecules

CHON atoms like together to form.

Biomolecule

Ingredients

Carbohydrates

C, H, O

Lipids

C, H, O

Proteins

C, H, O, **N**

Nucleic Acids

C, H, O, **N, P**

First + Last Name

Period 2

Drawing Lecture: Digestion

Muscle cell

Biomolecule

Fat cell

Meat

Food

Fat or meat



Nucleic Acids

Enzymes and substrates

Enzymes all end in -ase.

Food	Substrate	Enzyme
Dairy	Lactose	Lactase
Plants	Starch	Amylase
DNA	Nucleic Acids	Nuclease
Oil/Fat	Lipids	Lipase
Meat	Protein	Protease
Sandy Bais	Sucrose	Sucrase

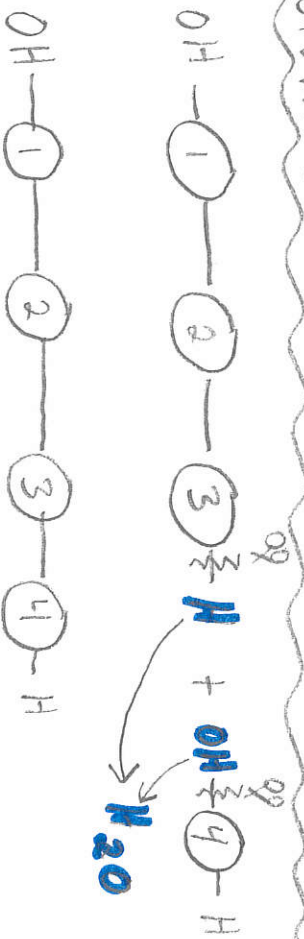
Biomolecule Formation

Dehydration / Condensation Reaction

Dehydrate = lose water

Dehydration = lose water to join

Biomolecules

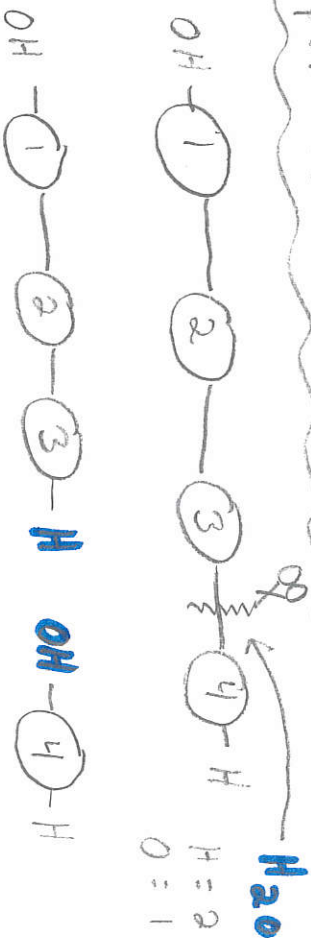


Biomolecule Break down

Hydrolysis Reaction

Hydro = water
Lysis = split open

Hydrolysis = Adding water to split open the biomolecule.



Digestive System Pathway

