

From Last Time:

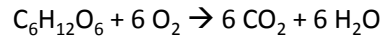


Yeast

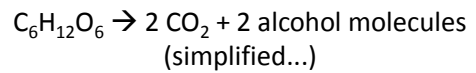
Ubiquitous microorganism

Many “yeasts”

Aerobic:



Yeast:



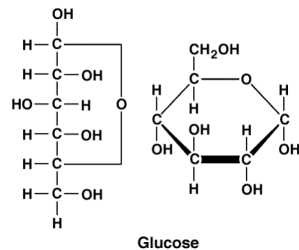
Aerobic

Aerobic digestion = “burning”

6 carbons

12 hydrogens

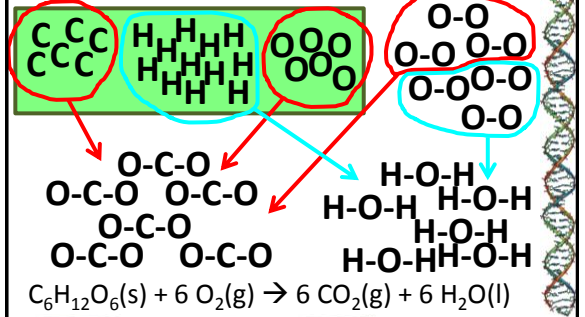
6 oxygens



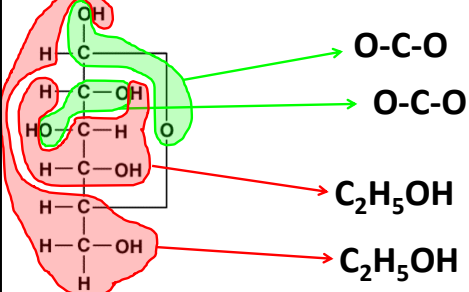
Source: <http://imgarcade.com/1/c6h12o6-molecule/>



Aerobic “Digestion”



Yeast Digestion



Source: <http://imgarcade.com/1/c6h12o6-molecule/>



Yeast leavening

Slower

Other flavors develop

Continuous yeast culture

“New kitchen” syndrome

“friendship breads”



Amount of Gas...

Gas changes volume with amount

Avogadro's Law

Volume $\propto$ Amount

$$V \propto n$$

$$V = kn$$

$$V / n = k$$



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Temperature...

Gas changes volume with temp.

Charles' Law

Volume $\propto$ Temperature

$$V \propto T$$

$$V = kT$$

$$V / T = k$$



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