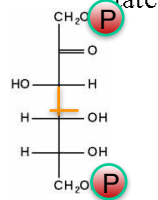
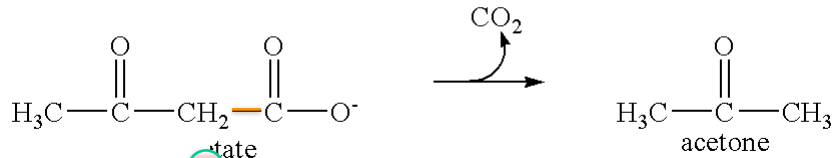
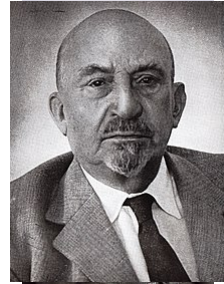


Fermentation: Acetoacetate decarboxylase



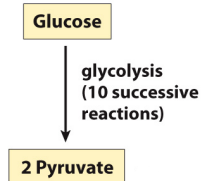
Strict anaerobe:
Clostridium
acetobutylicum



In 1916, the enzyme, *acetoacetate decarboxylase*, was discovered by Chaim Weizmann..... on to serendipity!

Dr. Kornberg: Lecture 02.01.17 (33:24-48:02)-Weizmann (15 min)

Fates of Pyruvate



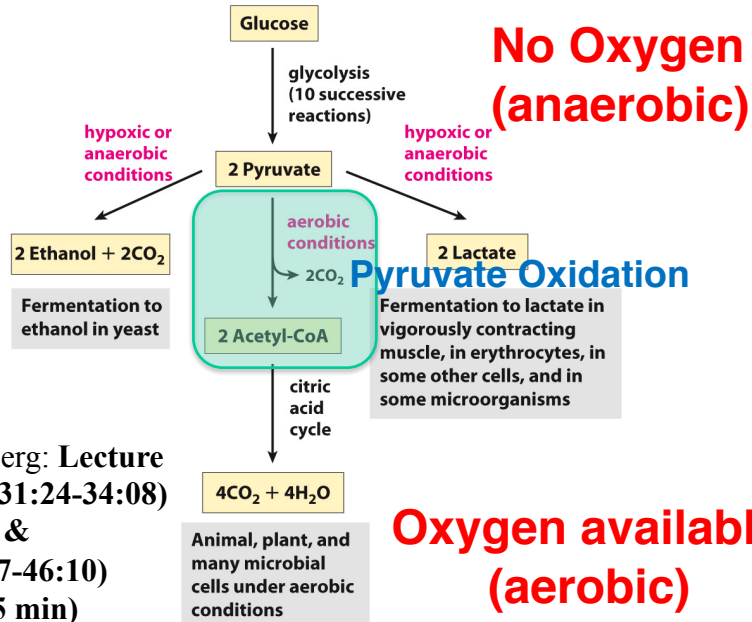
**No Oxygen
(anaerobic)**

Pyruvate Oxidation

Dr. Kornberg: Lecture
01.30.17 (31:24-34:08)
&
(45:37-46:10)
(3.5 min)

**Oxygen available
(aerobic)**

Fates of Pyruvate



Dr. Kornberg: Lecture
01.30.17 (31:24-34:08)
&
(45:37-46:10)
(3.5 min)