

ANAEROBIC FERMENTATION

IN...

1 YEAST CELL

2 GLUCOSE

6 HEAT

ENERGY
 Growth
 Maintenance
 Synthesis
 Active Transport

ADP → ATP

4 PGA

7 Pyruvic Acid

8 CO₂

10 Alcohol

NAD⁺ → NADH

3 DETAILS:

Activation stages,
 using 2 ATP molecules,
 and splitting glucose into
 2 PGA molecules
 (PhosphoGlycerAldehyde)

2 ATP molecules produced from each glucose molecule (net)

5 % EFFICIENCY

Fermentation occurs as the only means of extracting energy from food in

YEASTS and some BACTERIA