

PHOTOSYNTHESIS



Reactants

LIGHT
RADIANT
SOLAR
 ΔE
ENDOTHERMIC

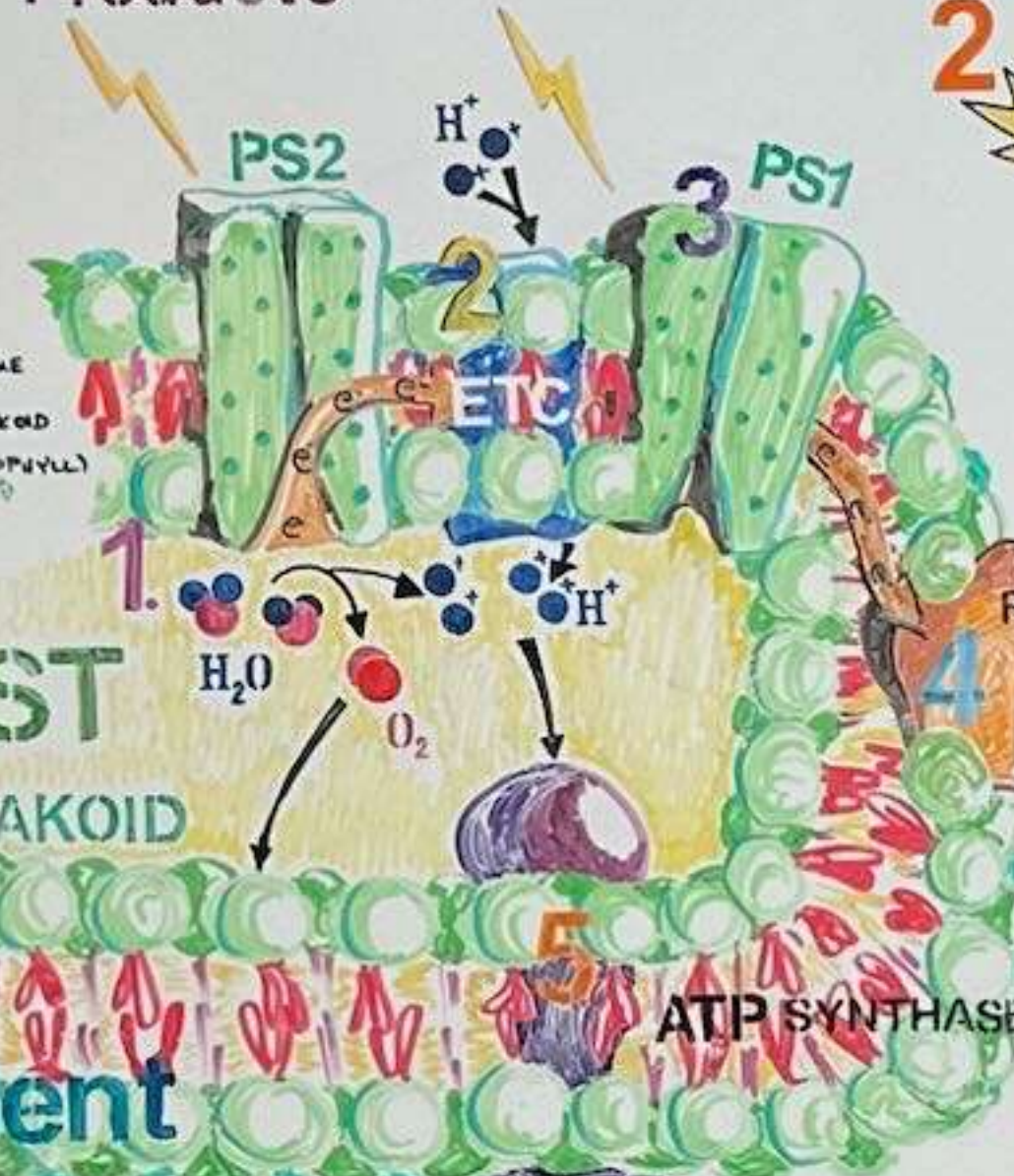
Products



CHLOROPLAST

THYLAKOID

Dependent



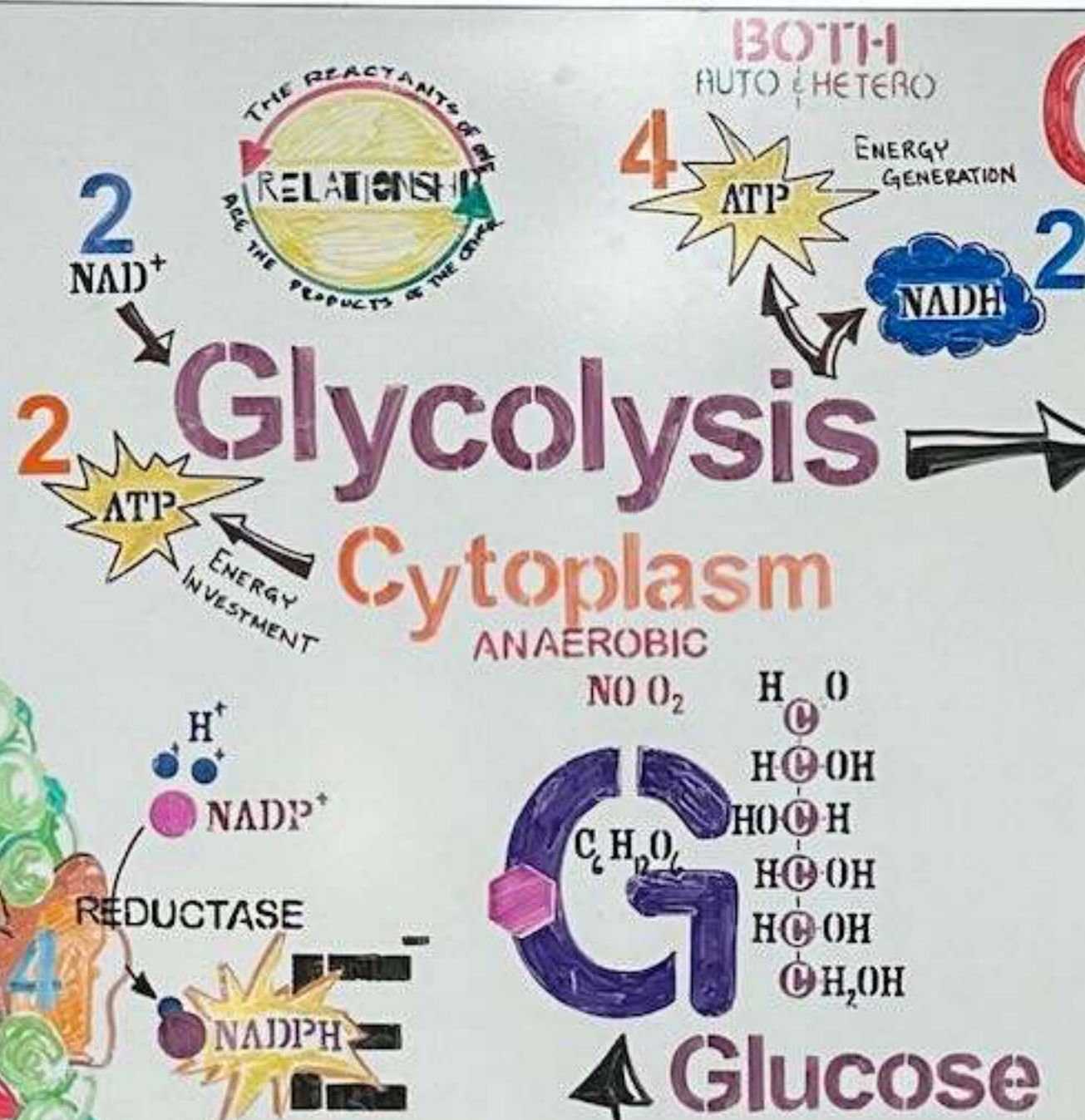
ATP SYNTHASE

A circular diagram of the Calvin cycle. The cycle is divided into four quadrants: C-FIXATION (yellow), REDUCTION (red), CARBOHYDRATE FORMATION (purple), and REGENERATION (dark grey). The cycle is set in the STROMA. Inputs include RuBP, CO₂, ATP, and NADPH. Outputs include 3PGA, G3P, and ATP. A large number '2' is in the center.

Calvin Cycle

Dark

Independent



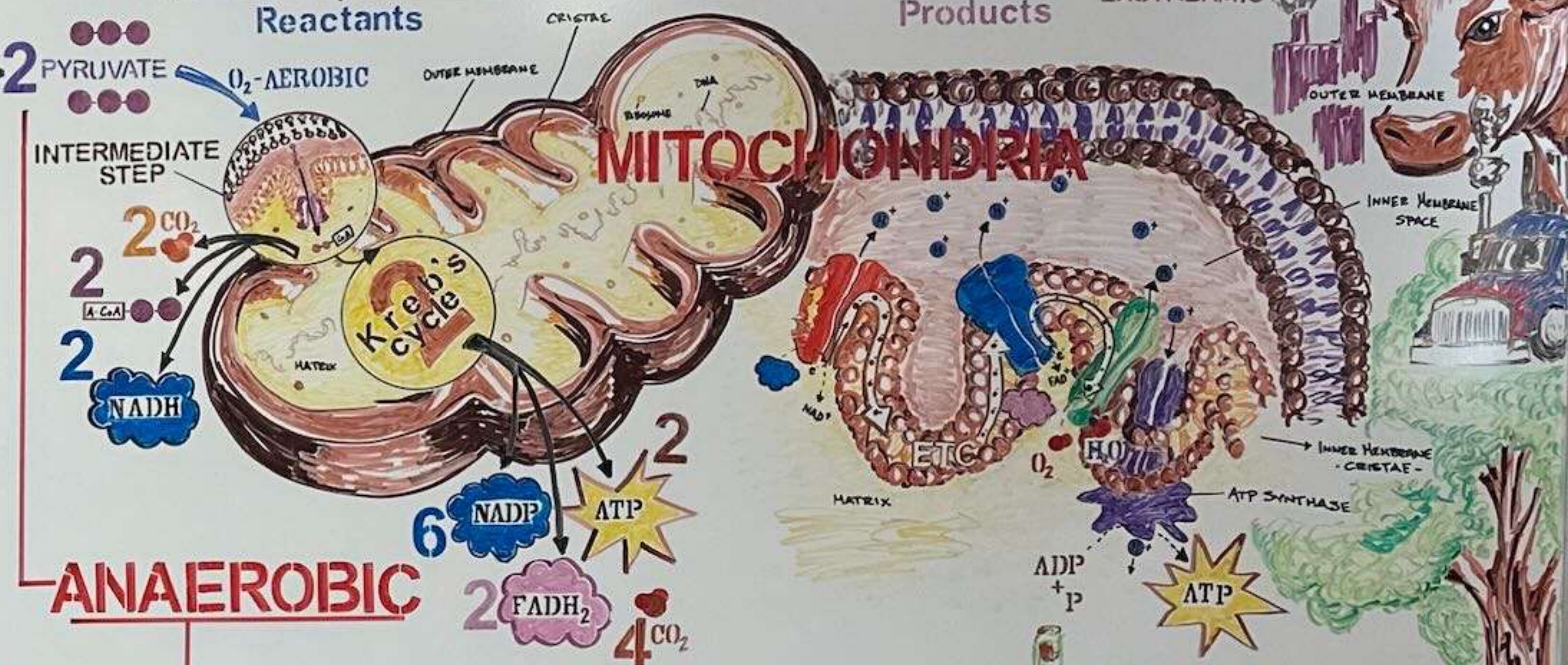
CELLULAR RESPIRATION



Reactants

Products

EXOTHERMIC



ANAEROBIC

-lactic acid FERMENTATION

- GLUCOSE IS BROKEN DOWN INTO PYRUVATE AND FINALLY INTO LACTIC ACID
- SOME BACTERIAL CELLS & ANIMAL MUSCLE CELLS
- BACTERIA MAKING YOGURT

ETHYL
alcohol
FERMENTATION

- GLUCOSE BROKEN DOWN INTO PYRUVATE & FINALLY INTO LACTIC ACID
- YEASTS - BEER / WINE / BREAD

