

ENERGY & ATP

WHAT IS ATP? (aka:)

ATP is generated from two parts:

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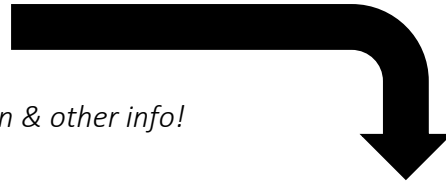
DIAGRAM:

Adenosine triphospahte is the byproduct of _____, an essential reaction in the cell.

U1: L4

CELLULAR RESPIRATION!

Make sure to include a diagram, formula, definition & other info!



HOW DOES ATP WORK?

1.

2.

3.

4.

U1: L4

Cells require chemical energy for three general types of tasks:

ATP is not a _____ for chemical energy; that is the job of carbohydrates, such as glycogen, and fats.

When energy is needed by the cell, it is converted from storage molecules into ATP. ATP then serves as a _____, delivering energy to places within the cell where energy-consuming activities are taking place.

WHAT ARE THE THREE FUNCTIONS OF ATP?

U1: L4

WHY IS ATP A GOOD ENERGY CARRIER?

SODIUM POTASSIUM PUMP

Make sure to include a definition, diagram and purpose:

U1: L4

MAIN POINTS OF THE LESSON