

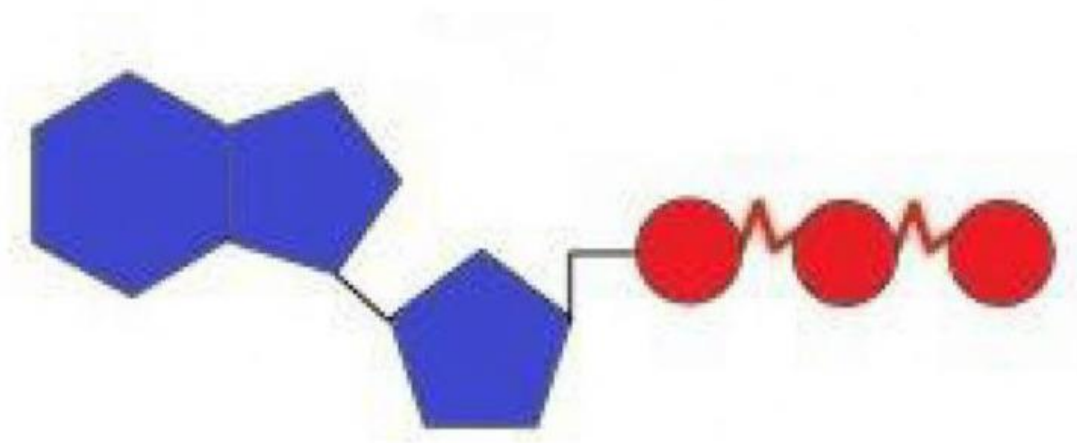
NAME:

ENERGY & ATP

QUESTIONS:

1-label the below diagram from the question bank

Adenosine triphosphate phosphate 1 phosphate 2 phosphate 3 high energy bond



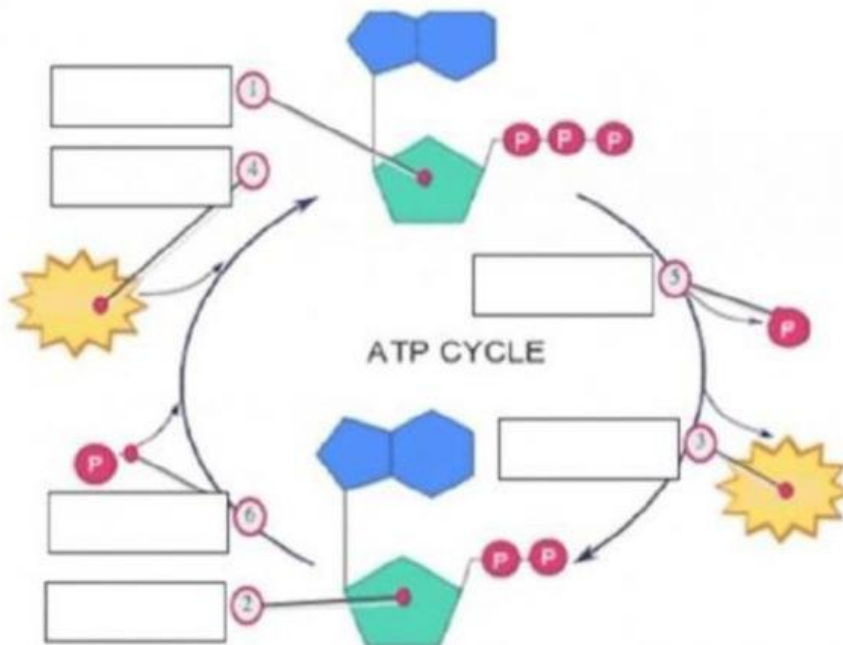
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2- Label the below diagram from the question bank

ATP ADP Energy added
phosphate released

energy released

phosphate added



3- Why is ATP sometimes referred to as an "immediate energy source"?

- a. Because it is a long-term energy storage molecule.
- b. Because it releases energy slowly.
- c. Because it stores and releases energy readily for cellular activities.
- d. Because it is involved only in respiration

4- How does ATP make an enzyme-catalysed reaction take place more readily?

- a. By inhibiting enzyme activity.
- b. By increasing the activation energy of the reaction.
- c. By promoting the formation of high-energy bonds.
- d. By providing readily available energy, facilitating phosphorylation of substrates, and inducing changes in enzymes that make them more active.

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