

Introduction to Metabolism, Study Guide

Matching Or Fill In

Choose the correct answer from the list. Not all the answers will be used.

- | | | |
|-----------|--|--|
| 1) _____ | Prokaryotes that are able to synthesize all of their cellular components from simple molecules such as CO_2 , H_2O , NH_3 , and H_2S are called _____. | <div style="border: 1px solid black; padding: 5px;"><p>A) anabolic
B) adenylate kinase
C) E^{++}
D) catabolic
E) NAD^+
F) obligate aerobes
G) acyl phosphate
H) proteomics
I) NADPH
J) pyrophosphatase
K) autotrophs
L) oxidation
M) ΔG°</p></div> |
| 2) _____ | Organisms that require oxygen are called _____. | |
| 3) _____ | Biomolecules are synthesized from simpler components in _____ pathways. | |
| 4) _____ | 1,3-Bisphosphoglycerate is a type of _____. | |
| 5) _____ | The enzyme _____ catalyzes the reaction, $\text{PP}_i \rightarrow 2 \text{P}_i$. | |
| 6) _____ | The enzyme _____ catalyzes the transfer of a phosphoryl group from ATP to AMP. | |
| 7) _____ | A loss of electrons from a substance is known as _____. | |
| 8) _____ | The oxidized form of NADH is _____. | |
| 9) _____ | The standard reduction potential at the biochemical standard state is symbolized as _____. | |
| 10) _____ | The study of the complete set of proteins synthesized in the cell is called _____. | |

Fill In Questions

- 11) _____ The rate of flow of metabolites through a metabolic pathway is referred to as _____.
- 12) _____ is the process by which nutrients are degraded in order to salvage their components and/or to generate energy.
- 13) _____ The reactants, intermediates, and products of metabolism are all referred to as _____.

Introduction Metabolism Study Guide Answers

Patrick Vollmar



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