



Oxford City Schools

Proficiency Scale

Are you looking for resources to help your child? [Click Here](#)

GRADE LEVEL: 10th - 12 Grade COURSE NAME: AP Biology
MEASUREMENT TOPIC: Apply Concepts in Cellular Energetics

4

In addition to Score 3, the student makes in-depth inferences and applications.

- Connect biological concepts, processes, and observational data to broader theories or biological themes.

3

- **Predict the causes or effects of a change in, or disruption to a biological system, related to Cellular Energetics, based on biological concepts or processes, models of biological concepts or processes, or data.**
- **Apply biological concepts and processes in Cellular Energetics to illustrative examples and novel scenarios.**

2

- **Explain biological processes related to Cellular Energetics.**
- **Describe biological concepts related to Cellular Energetics.**

1

With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.

Key Vocabulary: catalyzed reaction, enzyme specificity, enzyme inhibitors, ATP, redox reactions, photosynthetic pigments, chemiosmosis, oxidative phosphorylation, biological fitness