



Oxford City Schools

# Proficiency Scale

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**GRADE LEVEL: 10th - 12 Grade      COURSE NAME: AP Biology**  
**MEASUREMENT TOPIC: Apply Concepts in Chemistry of Life**

**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 Chemistry of Life, based on biological concepts or processes, models of biological concepts or processes, or data.**
- **Apply biological concepts and processes in Chemistry of Life to illustrative examples and novel scenarios.**

**2**

- **Explain biological processes related to Chemistry of Life.**
- **Describe biological concepts related to Chemistry of Life.**

**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: polarity, hydrogen bonds, monomers, polymers, dehydration synthesis, hydrolysis, amino acids, R groups**