

# Oklahoma School Testing Program Oklahoma Modified Alternate Assessment Program Performance-Level Descriptors End-of-Instruction Biology I

**Advanced:** Students performing at the Advanced level on the Oklahoma Modified Alternate Assessment demonstrate a more thorough understanding of the knowledge, skills, and application of the science concepts expected of students at the End-of-Instruction in Biology I. Students performing at this level also consistently demonstrate their ability to recognize and use scientific processes (e.g., observing and measuring, classifying, experimenting, interpreting, communicating, and modeling) and understand Biology I concepts expected of the measured standards and objectives included in the Biology I Oklahoma Academic Standards Framework. Students consistently demonstrate a working knowledge of the science processes and biology concepts, applying different strategies for selecting, identifying, organizing, comparing, and interpreting scientific data to infer conclusions.

**Satisfactory:** Students performing at the Satisfactory level on the Oklahoma Modified Alternate Assessment demonstrate a general understanding of science concepts expected at the End-of-Instruction in Biology I. Students performing at this level also demonstrate the ability to apply understandings to practical situations. Students performing at the Satisfactory level will:

- make predications/inferences regarding qualitative and quantitative changes;
- use observable properties to make biological classifications;
- evaluate the components of experimental design;
- use data (single and multiple sets) to: create an appropriate graph, make predictions, and infer outcomes that support conclusions;
- apply appropriate mathematical calculations;
- interpret and apply information from models;
- associate cell structures to their functions;
- interpret the cell cycle with an emphasis on mitosis;
- analyze and interpret gene recombination's as related to heredity;
- analyze evidence of common ancestry related to biological diversity and natural selection;
- interpret interactions between abiotic and biotic components of the ecosystem and their impact on population dynamics; and
- understand the dynamic interactions of the reactants and products of photosynthesis and cellular respiration.

***Limited Knowledge:*** Students performing at the Limited Knowledge level on the Oklahoma Modified Alternate Assessment demonstrate a partial understanding of the knowledge, skills, and application of the science concepts expected of students at the End-of-Instruction in Biology I. These students are partially able to interpret information, to recognize the correct design of simple investigations, and to understand scientific processes and experimental procedures in biological scenarios. Some gaps in knowledge and skills are evident and may require additional instruction in order to achieve a satisfactory level of understanding.

***Unsatisfactory:*** Students performing at the Unsatisfactory level on the Oklahoma Modified Alternate Assessment do not demonstrate a Limited Knowledge level of the knowledge, skills, and application of the science concepts expected of students at the End-of-Instruction in Biology I. Students scoring at the Unsatisfactory level will require Biology I remediation in order to achieve a satisfactory level of understanding.

