



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 9 COURSE NAME: Biology
MEASUREMENT TOPIC: Explain How Cells Maintain Homeostasis

4	In addition to Score 3, the student makes in-depth inferences and applications. <ul style="list-style-type: none">• Predict the effect of a change in a factor that impacts membrane structure and permeability.
3	The student can: <ul style="list-style-type: none">• Engage in argument from evidence to explain the regulation of cellular processes that maintain homeostasis, including:<ul style="list-style-type: none">• active transport• passive transport• Use models to illustrate how the structural characteristics of lipids and proteins in the cell membrane regulate cellular processes.
2	The student can: <ul style="list-style-type: none">• Construct an explanation of how the unique properties of water are vital to maintaining homeostasis in organisms.• Identify the components of the cell membrane.

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

Key Vocabulary: