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| **Tracking Sheet****8th Grade Science****Unit: Ecology 2*** **Power standard:** The student will be able to investigate changes in ecosystems and interactions of organisms with their environment.

**1** Just starting **2** Not there yet  **3** Got it! **4** Above and beyond |
| **LEARNING TARGET*****“I CAN…”*** | **GLE** | **Quiz**Deer gameAndBucket (B) | **Correct**  | **Incorrect**  | **Retake**  | **Quiz**River MAP ? | **Correct**  | **Incorrect**  | **Retake**  | **Level** |
| Identify the factors that affect the number and types of organisms an ecosystem can support.  | 641Bb2.4 | 3 |  |  |  |  |  |  |
| 5 |  |  |  |
| B3 |  |  |  |
| B4 |  |  |  |
| Predict the possible effects of changes in the number and types of organisms in an ecosystem on the populations of other organisms within that ecosystem | 641Bc2.3 | 1 |  |  |  |  |  |  |
| 4 |  |  |  |
| B1 |  |  |  |
| B2 |  |  |  |
| B5 |  |  |  |
| Describe beneficial and harmful activities of organisms, including humans, and explain how these activities affect organisms within an ecosystem | 641Da2.5 | 2 |  |  |  | 1a |  |  |  |  |
| 1b |  |  |  |
| 1c |  |  |  |
| 2 |  |  |  |
| 3a |  |  |  |
| 3b |  |  |  |
| Predict the impact (beneficial or harmful) of a natural environmental change on the organisms in an ecosystem. | 641Db2.5 |  |  |  |  |
| Describe possible solutions to potentially harmful environmental changes within an ecosystem. | 641Dc2.5 |  |  | 5a |  |  |  |
| 5b |  |  |  |
| 5c |  |  |  |
|  |  |  |  |  |  |  |
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| **Tracking Sheet****8th Grade Science****Unit: Ecology 2*** **Power standard:** The student will be able to investigate changes in ecosystems and interactions of organisms with their environment.

**1** Just starting **2** Not there yet  **3** Got it! **4** Above and beyond |
| **LEARNING TARGET*****“I CAN…”*** | **GLE** | **Quiz**Ecology part 2 | **Correct**  | **Incorrect**  | **Retake**  | **Test**Ecology 2 | **Correct**  | **Incorrect**  | **Retake**  | **Level** |
| Identify the factors that affect the number and types of organisms an ecosystem can support.  | 641Bb2.4 | 1 |  |  |  | 1 |  |  |  |  |
| 2 |  |  |  | 2 |  |  |  |
| 3 |  |  |  | 12 |  |  |  |
| 7 |  |  |  | 13 |  |  |  |
| 16 |  |  |  | 14 |  |  |  |
| 26 |  |  |  |
| Predict the possible effects of changes in the number and types of organisms in an ecosystem on the populations of other organisms within that ecosystem | 641Bc2.3 | 4 |  |  |  | 3 |  |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  | 7 |  |  |  |
| 27 |  |  |  |
| 11 |  |  |  | 28 |  |  |  |
| 33 |  |  |  |
| Describe beneficial and harmful activities of organisms, including humans, and explain how these activities affect organisms within an ecosystem | 641Da2.5 | 6 |  |  |  | 5 |  |  |  |  |
| 8 |  |  |  |
| 9 |  |  |  |
| 8 |  |  |  | 10 |  |  |  |
| 11 |  |  |  |
| 15 |  |  |  |
| 9 |  |  |  | 16 |  |  |  |
| 17 |  |  |  |
| 18 |  |  |  |
| 12 |  |  |  | 19 |  |  |  |
| 20 |  |  |  |
| 21 |  |  |  |
| 22 |  |  |  |
| 23 |  |  |  |
| 34 |  |  |  |
| Describe possible solutions to potentially harmful environmental changes within an ecosystem. | 641Dc2.5 |  |  | 6 |  |  |  |  |
|  | 642Ab2.2 | 10 |  |  |  |  |  |  |
|  | 642Aa2.2 | 17 |  |  |  |  |  |  |

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| **Tracking Sheet****8th Grade Science****Unit: Scientific Investigation*** **Power standard:** The student will be able to design and conduct experiments using reasoning and critical thinking.

**1** Just starting **2** Not there yet  **3** Got it! **4** Above and beyond |
| **LEARNING TARGET*****“I CAN…”*** | **GLE** | **Test**Ecology 2 | **Correct**  | **Incorrect**  | **Retake**  | **Quiz** PennyLab  | **Correct**  | **Incorrect**  | **Retake**  | **Level**  |
| Design and conduct a valid experiment with multiple trials. | 871Ac1.1 |  |  |  |  |  |
| Formulate testable questions and hypotheses. | 871Aa1.1 |  |  | 4a |  |  |  |
| 4b |  |  |  |
| 8 |  |  |  |
| Identify and describe the importance of the independent variable, dependent variables, control of constants in a valid experiment. | 871Ab1.1 |  |  | 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| Communicate the procedures and results of investigations and explanations through: data tables and graphs (bar, single line) | 871DaTable1.1 |  |  | 5a |  |  |  |
| 5b |  |  |  |
| 5c |  |  |  |
| 5d |  |  |  |
| 871DaGraph1.1 |  |  | 7a |  |  |  |
| 7b |  |  |  |
| 7c |  |  |  |
| 7d |  |  |  |
| Use data to support a reasonable explanation (conclusions) for the results of a valid experiment. | 871Ca1.1 | 24 |  |  |  | 6 |  |  |  |
| 25 |  |  |  |
| 13 EQ |  |  |  |
| 14 EQ |  |  |  |
| 15 EQ |  |  |  |
| Use data to make predictions | 871Cb1.1 | 29 |  |  |  |  |  |
| 30 |  |  |  |
| 31 |  |  |  |
| 32 |  |  |  |