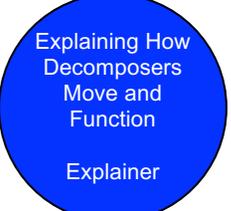
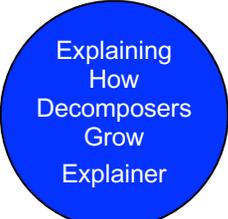
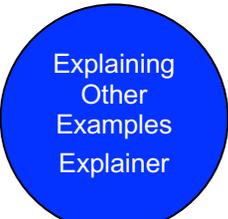


Name: \_\_\_\_\_ Class: \_\_\_\_\_

## Assessing the Learning Tracking Tool for Decomposers

Driving Question: What happens when bread molds?

<b>Activity Chunk</b> Write the activity and your role in each circle.	<b>What did we do?</b> Summarize key information and activities with a description and/or picture.	<b>What Did We Figure Out?</b> Summarize what we figured out about the phenomena that helps us answer the driving question.	<b>What Are We Asking Now?</b> What additional information do you need to answer the driving question?
	Take a pretest and share initial ideas on the <b>Expressing Ideas and Questions Tool</b> about how bread molds, identifying what decomposers need to grow and gain mass.	We already have some ideas about what happens when bread molds. We also have lots of questions!	What makes up a decomposer's food?
	"Zoom into" food and examine nutrition labels to learn about the materials in plants, animals, and food including organic materials (fats, carbohydrates, and proteins).	Food is made of large organic molecules that contain matter and energy. These molecules have to get to cells in the decomposer's body.	How do decomposers change matter and energy when they grow?
	Conduct an investigation to explore what happens when bread molds. Use the <b>Predictions and Planning Tool</b> and the <b>Evidence-Based Arguments Tool</b> .	The bread and mold together lose mass and emit CO <sub>2</sub> as the mold grows.	Where did the missing mass go?
	Model the oxidation of glucose to carbon dioxide and water using molecular model kits and use the <b>Explanations Tool</b> to explain what happens when decomposers move and function.	Fungi get energy by combining food and O <sub>2</sub> to produce CO <sub>2</sub> and H <sub>2</sub> O by cellular respiration.	How do fungi use food to grow?

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	Use molecular models and <a href="#">Explanations Tools</a> to explain digestion and biosynthesis in mushrooms .	Mushrooms break large organic molecules into small organic molecules outside their bodies (digestion) and then make new large organic molecules in their cells (biosynthesis).	How do other decomposers grow, move, and function?
	Practice explaining digestion, biosynthesis, and cellular respiration in other decomposers, and take the unit posttest.	All aerobic decomposers use digestion, biosynthesis, and cellular respiration to grow and function.	How does matter cycle and energy flow in an ecosystem?