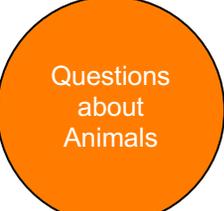
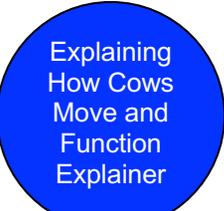
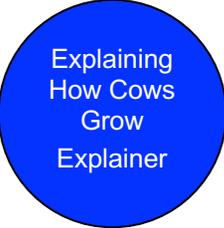
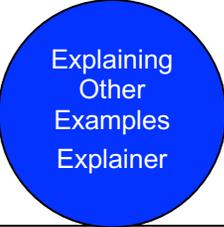


Name: _____ Class: _____

Assessing the Learning Tracking Tool for Animals

Driving Question: How does a child grow, move, and function?

Activity Chunk Write the activity and your role in each circle.	What did we do? Summarize key information and activities with a description and/or picture.	What Did We Figure Out? Summarize what we figured out about the phenomena that helps us answer the driving question.	What Are We Asking Now? What additional information do you need to answer the driving question?
	Take a pretest and share initial ideas on the Expressing Ideas and Questions Tool about animal growth, identifying what animals need to grow and gain mass.	We already have some ideas about how a child grows, moves, and functions. We also have lots of questions!	What makes up our food?
	"Zoom into" food and examine nutrition labels to learn about the materials in plants, animals, and out food including organic materials (fats, carbohydrates, and proteins).	Food is made of molecules that contain matter and energy. These molecules have to get to cells in the animal's body.	What goes in when an animal eats? What comes out?
	Conduct an investigation to explore what happens when mealworms eat, move, breathe and grow. Use the Predictions and Planning Tool and the Evidence-Based Arguments Tool .	The mealworms gained mass and the potato lost mass, but the mealworms didn't gain as much mass as the potato lost. Animals convert stored chemical energy into motion energy.	Where did the missing mass go?
	Model the oxidation of glucose to carbon dioxide and water using molecular model kits and use the Explanations Tool to explain what happens when cows move and function.	Some matter leaves the body as urine and waste but most matter leaves the body as CO ₂ during cellular respiration.	What happens to food when it is in the body?

Activity Chunk Write the activity and your role in each circle.	What did we do? Summarize key information and activities with a description and/or picture.	What Did We Figure Out? Summarize what we figured out about the phenomena that helps us answer the driving question.	What Are We Asking Now? What additional information do you need to answer the driving question?
	Trace the processes involved in a cow growing, digestion and biosynthesis on a poster of a cow, construct a model of the breakdown and rebuilding of molecules through digestion and biosynthesis, and use the Explanations Tool to explain digestion and biosynthesis.	Matter goes into the body and is broken down during digestion. Some matter is used for growth (biosynthesis).	How do other animals grow, move, and function?
	Practice explaining digestion, biosynthesis, and cellular respiration in other animals, and take the unit posttest.	All animals use the same carbon-transforming processes (digestion, biosynthesis, and cellular respiration) to move, grow, and function.	How do plants grow, move, and function?