

ACTIVITY: Turn Task 3 into a 3D Assessment, Write the questions you would ask students using the template task formats as a guide.

CLAIMS	SCENARIOS	QUESTIONS (using format tasks)	HYPOTHETICAL / ACTUAL STUDENT RESPONSES
<p>Students can develop a model to describe the movement in of matter among plants, animals, decomposers, and the environment. (PE: 5-LS2-1)</p>	<p><i>Backyard Composting</i> You and your family compost scraps of vegetables from your kitchen in the back yard. Your compost bin includes worms and bacteria that help to decompose the scraps. You take the material from the compost bin, add it to the soil to help your tomato plants grow. Then you eat your tomatoes in your salad at the end of the summer.</p>		<p>A full student model would include the following key components, interactions, and mechanisms.</p> <p>Components: Food scraps Decomposers (bacteria, worm) Composted material People Tomato plants Soil Sunlight Water</p> <p>Interactions: Worms and bacteria with food scraps People with food scraps Water, sunlight, soil with materials and organisms in the compost bin Water, sunlight, soil with tomato plants People with tomatoes</p> <p>Mechanisms: Decomposition Transformation/movement of organic matter into food</p>