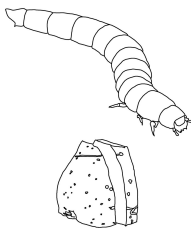
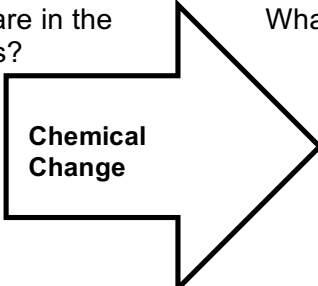
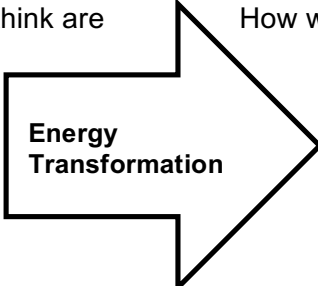


3.1 Predictions Tool: What do you predict you will observe when mealworms eat?

	Macroscopic scale: <i>Make predictions about what you will observe.</i>	Atomic-molecular scale: <i>Explain your predictions using the Three Questions.</i>			
The Matter Movement Question	<p>Predictions about mass How will the movement of matter change the mass of:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 5px;">the food?</td> <td style="width: 33%; padding: 5px;">the mealworms?</td> <td style="width: 33%; padding: 5px;">everything in the container?</td> </tr> </table>	the food?	the mealworms?	everything in the container?	<p>Where will the matter in the food move to after one day? <i>Draw labeled arrows to show how food molecules might be moving into and out of the mealworm as it eats, breathes, grows, and moves.</i></p> 
the food?	the mealworms?	everything in the container?			
The Matter Change Question	<p>Predictions about changes in BTB How will matter changes in this system affect CO₂ in the air and the color of the BTB?</p>	<p>What molecules do you think are in the mealworm's food before it eats?</p> <div style="text-align: center;">  </div> <p>What will happen to the food molecules that the mealworm eats?</p> <p>What other molecules will be involved?</p>			
The Energy Change Question	<p>Predictions about energy What evidence of energy change will you be able to observe?</p>	<p>What forms of energy do you think are in the mealworm's food?</p> <div style="text-align: center;">  </div> <p>How will the energy stored in the food change after the mealworm eats?</p>			