

**Please use the following resources to learn about life cycles of living organisms.**

**Watch these Videos:**

<https://www.youtube.com/watch?v=ivx6w56Zad4> and <https://www.youtube.com/watch?v=nFRvDTwGDMo>

**Answer these questions:**

- What does the life cycle of a dog include?
- What does the life cycle of a butterfly include?
- What does the life cycle of a plant look like?

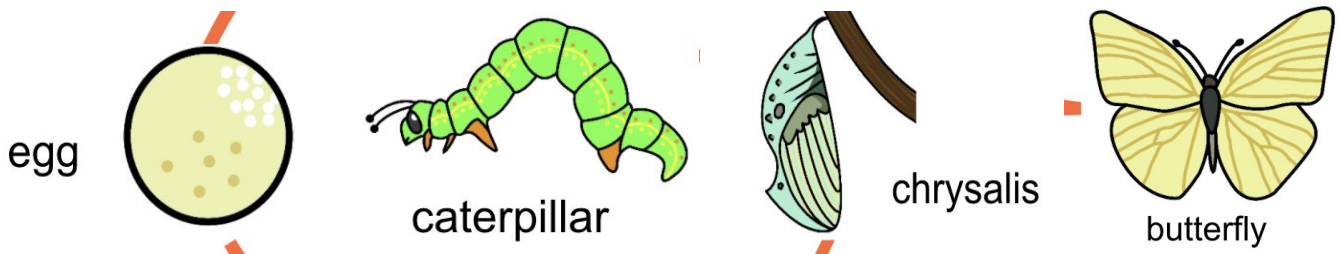
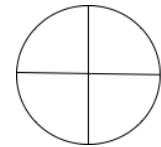
**Activities:**

**Activity 1: Follow these directions to make a life cycle viewer for a butterfly.**

You will need:

<ul style="list-style-type: none"> <li>• 1 paper or plastic plate</li> <li>• 1 piece of paper</li> <li>• Scissors</li> </ul>	<ul style="list-style-type: none"> <li>• Marker</li> <li>• Ruler</li> <li>• Crayons</li> </ul>	<ul style="list-style-type: none"> <li>• 2 prong paper fastener or paper clip</li> </ul>
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1. On the paper, trace the plate. Cut out the circle.
2. Use the ruler and marker to divide the circle into 4 equal sections, or quarters. (See image at right.)
3. Repeat step 2 on the plate.
4. Draw one of the life cycle stages of the butterfly in each quarter of the paper circle. Here are 4 drawings you can copy or you can use your imagination.



5. Cut out one of the quarters of the plate along the lines.

6. Place the plate over the paper circle with your butterfly drawings.
  - a. You should only see one of the Life Stages through the open space of the plate.
7. Poke the paper fastener or paper clip through the center of both circles.
  - a. An adult may need to help you if the plate is thick.
  - b. Make sure the fastener is opened or the paper clip is bent so the paper and the plate stay together, but can spin.
8. Slowly turn the plate and reveal one Life Cycle stage at a time for your butterfly.

Optional: Use another paper circle and draw the Life Cycle of a different organism. You can draw the 4 stages of a frog's life, a human's life or even a plant. The circles can be changed but you can use the same plate.

## **Activity 2: Observe and take notes**

Look around you and go outside with your science notebook. Write down all of the living organisms you see and name the stage of the Life Cycle they are in now. Did you check the dirt and the back of leaves for insect eggs? Did you find any flowers or see any people?

## **Make observations & use Claims, Evidence, and Reasoning!**

1. **Claim:** Living organisms go through a Life Cycle.
  - **Evidence:**
  
  
  - **Reasoning:**
2. **Claim:** Living organisms don't look the same at all stages of their life cycle.
  - **Evidence:**
  
  
  - **Reasoning:**