

**LT: I can compare the structure and functions of eggs for various organisms in order to determine common ancestry. 4.4.1c; 4.2.1e**

## **What Comes from Eggs?**

Chicks come from eggs. What other things come from eggs?

**Directions:**

1. List each item below into one of the categories:  
“Comes from an egg,” or “Does not come from an egg”

Brine Shrimp

Rock

Frog

Cat

Whale

Snake

Worm

Human

Tuna fish

Mosquito

Cherry tree

Single-celled organism

Soil

Butterfly

Bacteria

Virus

<b>Comes from an egg</b>	<b>Does not come from an egg</b>

2. Explain your thinking: What rule or reasoning did you use to decide if something comes from an egg?

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Use the following resources (you may need to copy and paste the links into the search engine) and complete the tables on the next pages:

	Chicken	Reptile	Fish	Human
Videos (hatching eggs)	<p>Bird <a href="#">egg</a> (not chicken)  <a href="https://www.youtube.com/watch?v=ya8f5j1D17o">https://www.youtube.com/watch?v=ya8f5j1D17o</a></p> <p><a href="#">chicken egg 1</a>  <a href="https://www.youtube.com/watch?v=AlpyAT6fKmY">https://www.youtube.com/watch?v=AlpyAT6fKmY</a></p> <p><a href="#">chicken egg 2</a>  <a href="https://www.youtube.com/watch?v=k3N5vtauDQU">https://www.youtube.com/watch?v=k3N5vtauDQU</a></p>	<p><a href="#">Snake eggs</a>  <a href="https://www.youtube.com/watch?v=iTVd02LVV-0">https://www.youtube.com/watch?v=iTVd02LVV-0</a></p>	<p><a href="#">Fish eggs</a>  <a href="https://www.youtube.com/watch?v=T3SUvDmIYhw">https://www.youtube.com/watch?v=T3SUvDmIYhw</a></p>	<p><a href="#">human egg</a>  <a href="https://www.youtube.com/watch?v=P1h611sNji8">https://www.youtube.com/watch?v=P1h611sNji8</a></p>
Informative text	<p><a href="https://docs.google.com/document/d/1nm9HTsnjLfOZLdmjmebRvWD8Flh31BsAW9yMOp0Q_C8/edit">https://docs.google.com/document/d/1nm9HTsnjLfOZLdmjmebRvWD8Flh31BsAW9yMOp0Q_C8/edit</a></p>	<p><a href="https://docs.google.com/document/d/1PnJygr1-9Yr7Vdu3VB5MoVIVsII2eeEknjW17DHVL-w/edit">https://docs.google.com/document/d/1PnJygr1-9Yr7Vdu3VB5MoVIVsII2eeEknjW17DHVL-w/edit</a></p>	<p><a href="https://docs.google.com/document/d/1KWO_8773DKXjhAJ0leG6HClN8iaEw0wIA8fdhcNCeg/edit">https://docs.google.com/document/d/1KWO_8773DKXjhAJ0leG6HClN8iaEw0wIA8fdhcNCeg/edit</a></p>	<p><a href="https://docs.google.com/document/d/1iFk7l4S_Yc2F9sq3JJgVfuZmOMfygoZEL0zUaO8UX7Y/edit">https://docs.google.com/document/d/1iFk7l4S_Yc2F9sq3JJgVfuZmOMfygoZEL0zUaO8UX7Y/edit</a></p>
Other texts, resources	<p><a href="#">More on bird reproduction &amp; eggs</a>  <a href="http://www.saburchiil.com/chapters/chapter0034.html">http://www.saburchiil.com/chapters/chapter0034.html</a></p> <p><a href="#">Ornithology.com</a>  <a href="http://ornithology.com/ornithology-lectures/reproduction/">http://ornithology.com/ornithology-lectures/reproduction/</a></p>	<p><a href="#">National Geographic video on cobra mating &amp; birth</a>  <a href="https://video.nationalgeographic.com/video/cobra_reproduction">https://video.nationalgeographic.com/video/cobra_reproduction</a></p> <p><a href="#">Website on snake reproduction</a>  <a href="https://video.nationalgeographic.com/video/cobra_reproduction">https://video.nationalgeographic.com/video/cobra_reproduction</a></p>		<p><a href="#">ck12 Human egg cells &amp; menstrual cycle</a>  <a href="https://www.ck12.org/biology/egg-cells/">https://www.ck12.org/biology/egg-cells/</a></p>

### Egg Comparison: Graphic Organizer

	Chicken egg	Reptile egg	Fish egg	Human egg
Describe the texture of shell or outer membrane				
Surrounding environment (when hatching)				
Relative size in comparison to other eggs (small, medium, large)				
Describe egg hatching				
Chromosome number in somatic cells (cells other than egg or sperm)				
Chromosome number found in <u>unfertilized</u> egg				
Number of eggs produced at a time				

## Finding Patterns to Revise Cladogram

### Egg Comparison

*What did you learn about the similarities and differences between the eggs of different species?*

*How will this help you revise your cladogram?*

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