

# TREE OF LIFE INFOGRAPHIC

Name:  Date:

## Purpose

This activity will give you practice with interpreting infographics and will also support your understanding of the similarities and differences between humans and other species.

## Process

Locate the species listed below on the infographic, and write down the domain to which each belongs:

brown rat	
zebrafish	
<i>Giardia lamblia</i>	
<i>Salmonella typhi</i>	
<i>Campylobacter jejuni</i>	
<i>Streptomyces coelicolor</i>	
<i>Streptococcus mutans</i>	
<i>Methanosarcina acetivorans</i>	



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**Directions:** Answer the following questions. Be prepared to discuss your answers with the class.

1. What is the importance of each of the species listed?	
2. Which domain is probably the largest?	
3. What are the major differences between each of the domains?	
4. What is LUCA?	



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5. What species is our closest relative?	
6. Did we branch off the taxonomic tree from our closest relative or did we develop separately from each other? What does this tell you about our relationship?	
7. <i>Homo sapiens</i> and <i>Pan troglodytes</i> both branched off from what type of animal?	
8. What are the taxonomic similarities between the following species: <i>Pan troglodytes</i> , <i>Homo sapiens</i> , <i>Mus musculus</i> , <i>Rattus norvegicus</i> ?	

