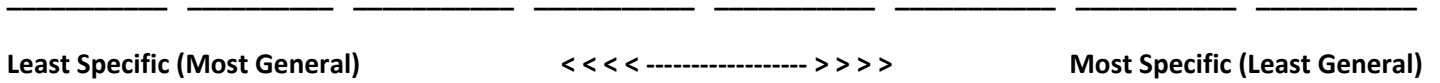


VIRUSES AND TAXONOMY: Student Practice Sheet

Rank the 8 Taxonomic classification categories from least specific to most specific.

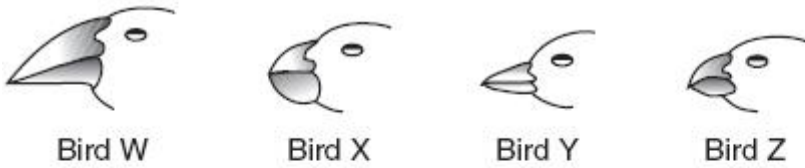
Class Domain Family Genus Kingdom Order Phylum Species



Which two parts of the taxonomy system are used to refer to specific organisms in the two-part naming system?
Why are these names the ones used?

Complete the following table with descriptions about the six different taxonomic classification kingdoms.

	Archaeobacteria	Eubacteria	Protista	Fungi	Plantae	Animalia
Cell Type						
Cell Structure						
Number of Cells						
Modes of Nutrition						
Examples						
Describe in Your Own Words						



Use the dichotomous key to identify the organisms.

Bird W _____
 Bird X _____
 Bird Y _____
 Bird Z _____

Dichotomous Key to Representative Birds	
1. a. The beak is relatively long and slender.....	<i>Certhidea</i>
b. The beak is relatively stout and heavy.....	go to 2
2. a. The bottom surface of the lower beak is flat and straight	<i>Geospiza</i>
b. The bottom surface of the lower beak is curved	go to 3
3. a. The lower edge of the upper beak has a distinct bend	<i>Camarhynchus</i>
b. The lower edge of the upper beak is mostly flat	<i>Platyspiza</i>

Use the following to write about key differences between bacteria and viruses.

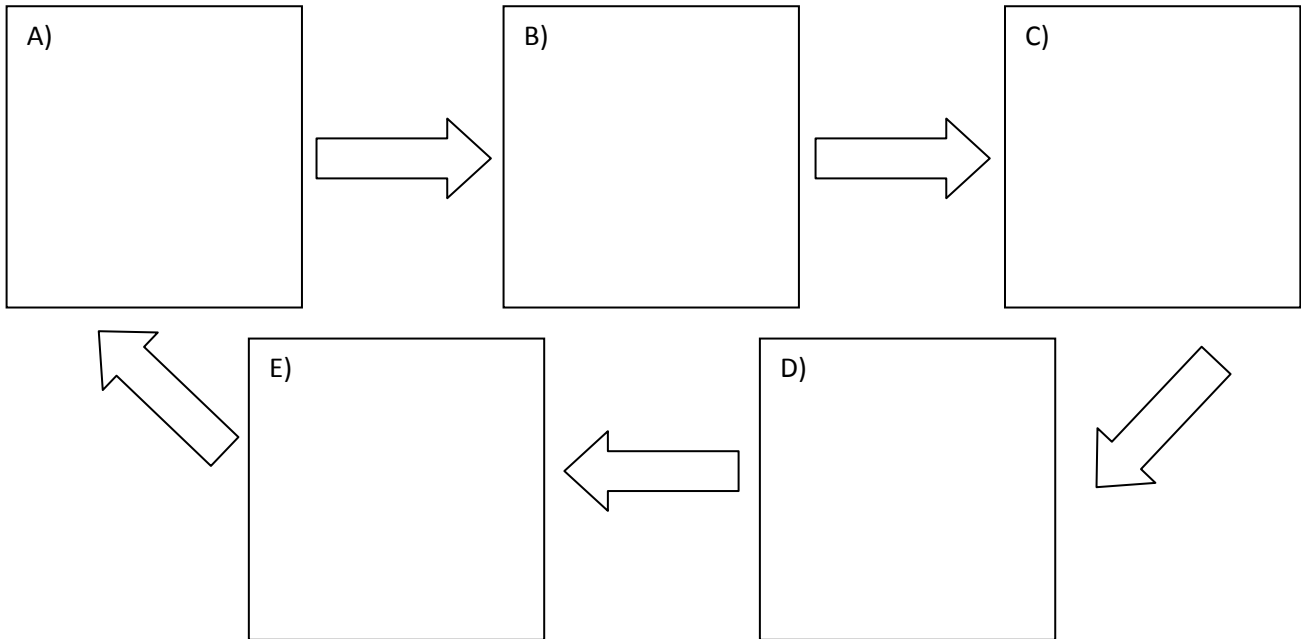
Viruses _____, but bacteria _____.

Viruses _____, but bacteria _____.

Viruses _____, but bacteria _____.

Viruses _____, but bacteria _____.

Draw pictures and descriptions of the five stages of the viral lytic cycle.



How do the lytic and lysogenic cycles differ? _____

What does influenza attack? Which cycle is it in? _____

What does HIV attack? Which cycle is it in? Why is HIV so dangerous? _____