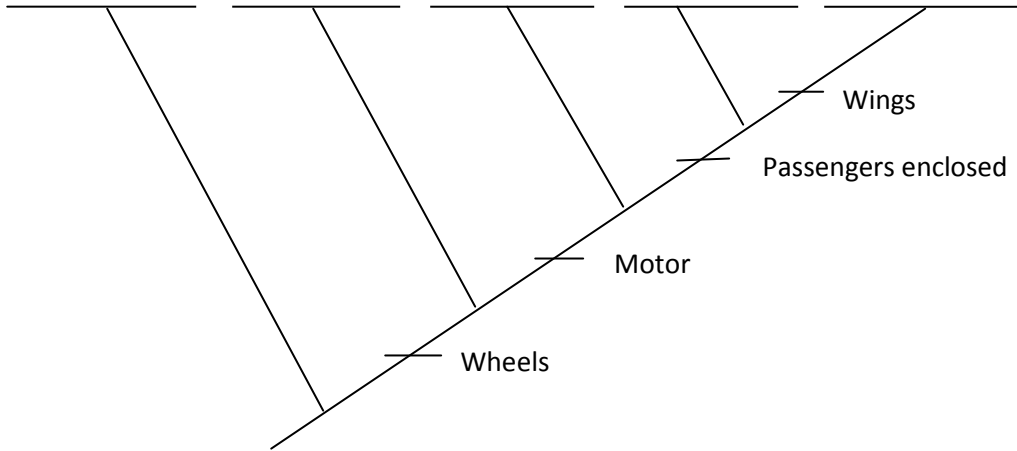


Cladogram Worksheet

Refer to pages 524-528 in your text book to help you as you create the cladograms below.

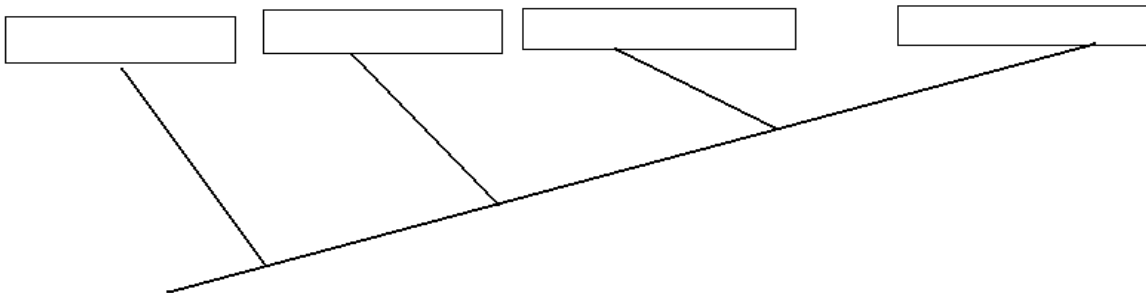
1. Think about the characteristics of the following methods of transportation: bicycle, car, motorcycle, airplane, and on foot.
2. Complete your cladogram by filling in each method of transportation on the appropriate line at the top.



3. Examine the cladogram above. Which trait separates bicycles from airplanes, motorcycles, and cars? _____
4. How many traits in common does the airplane and motorcycle have in common? _____
5. What is the point where two object break away from each other called? _____
6. Which mode of transportation may be considered an "outgroup" — a group that has none of the characteristics labeled on the cladogram? _____
7. Fill in the following table. Mark an 'X' if an organism has each trait.

	Hair	Legs	Thumb	Eyes
Human				
Snake				
Monkey				
Mouse				

8. Create your own characteristics to complete the cladogram below. Add each of these organisms to your cladogram below: human, snake, monkey, mouse.
9. Be sure to label each branch of your cladogram with the proper characteristic.



10. According to your cladogram, what does a human and mouse have in common? _____
11. How many traits does the snake and mouse have in common? _____