

PART 4 – MAKING A CLADOGRAM

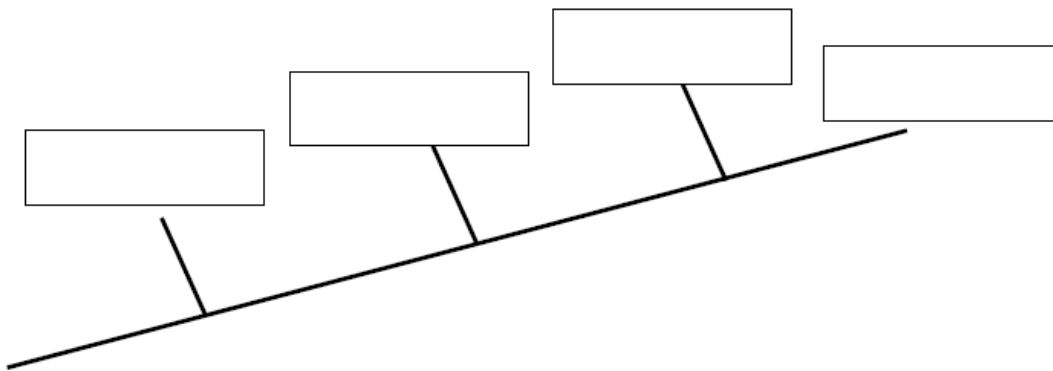
Name _____

1. Fill in the following table. Mark an “X” if an organism has the trait.

	cells	legs	6 legs	wings
Worm				
Spider				
Carpenter Ant (black)				
Fly				

**spiders have 8 legs, ants and flies have 6*

2. Add each of these organisms to the cladogram below: worm, spider, ant, fly



3. On the cladogram above, add traits that make the organisms different from each other.

4. According to your cladogram, which two species are more closely related: worms and spiders or worms and ants? How do you know?