**Cladogram Worksheet**

1.Draw a table like the one below and then fill it in. Mark an ‘X’ if an organism has the trait.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Hair** | **Legs** | **Thumbs** | **Eyes** |
| **Mouse** |  |  |  |  |
| **Snake** |  |  |  |  |
| **Monkey** |  |  |  |  |
| **Bird**  |  |  |  |  |

2. Add each of these organisms to a cladogram, in order of number of common traits.

3. USING COMPLETE SENTENCES, explain why you put each organism where you did on the cladogram.

4. On your cladogram, add the traits that make the organisms different from each other.

5. According to your cladogram, which two species are more closely related: monkeys and snakes or monkeys and birds? How do you know?

6. According to your diagram, what species are monkeys most closely related to? How do you know?

**Cladogram #2**

7. Draw a table like the one above… Use these organisms: **Ant, Spider, Worm, Fly.**

 Use these traits: **cells, legs, 6 legs, wings.**

 As before,mark an ‘X’ if an organism has each trait.

8. Add each of these organisms to a cladogram.

9. USING COMPLETE SENTENCES, explain why you put each organism where you did on the cladogram.

10. On your cladogram, add traits that make the organisms different from each other.

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

12. According to your cladogram, what species are flies most closely related to? How do you know?