

1. Gather the five pipecleaners together at one end
2. Twist them together for about 2 inches
3. Wrap the pink one around the others once, then leave it out and twist the others for about two more inches
4. Do the same for purple, then green, then blue, then orange

Which two have the most recent common ancestor?

Trace the history of the blue lineage, noting which other colors it shares ancestry with at different times.

Look at the node where purple diverges from the rest. Which colors share the common ancestor indicated by that node?

At the point where green, blue and orange meet, give it a half twist. Have the relationships between your "taxa" changed? Trace the blue lineage back through time again and contrast it with above.

Which four taxa are form a monophyletic clade?