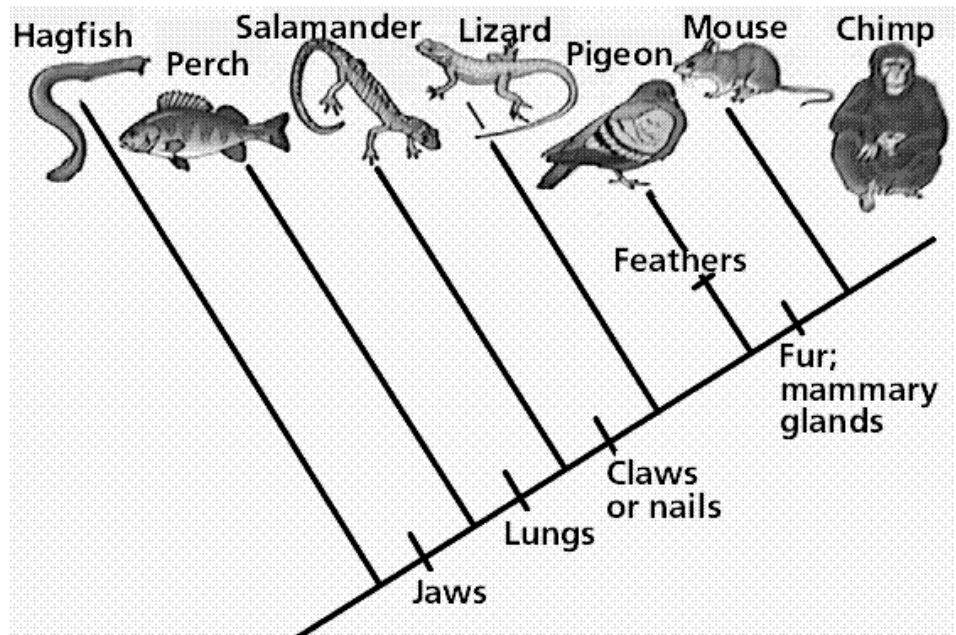


1. What is the lowest (evolutionarily) organism?
2. What is the highest (evolutionarily) organism?
3. Which organism is the “youngest”?
4. Which organism is the “oldest”?
5. Which organisms are more related: a perch and a salamander or a perch and a lizard? Why?



6. Which organisms are more related: a lizard and a pigeon or a pigeon and a mouse? Why?
7. What characteristic separates the salamander line from the lizard line?
8. What characteristic separates the hagfish line from the perch line?
9. What characteristics separate a perch from a chimp?
10. Which evolutionary line has jaws, lungs, nails, and feathers?
11. Which evolutionary line has jaws and lungs?
12. A new organism is discovered that has jaws, lungs and claws, but no fur or feathers – where on this cladogram would this organism be placed? Why?
13. Explain why “feathers” is on the pigeon evolutionary line while “fur” isn’t.
14. Label the common ancestor of the lizard and the pigeon as A.
15. The common ancestor of the mouse and pigeon would lack what derived characters?