

1. Review Cladogram activity

- Same page re: facts / concepts
- Interpret diagram
 - Identify derived characters
 - Determine relationships between organisms (more closely related vs. more distantly)

2. Lizards

- Understand how what we see with our lizards matches with what we've learned about evolution
- Application of evolutionary theory
EXPLAINS & PREDICTS

1. What is the ancestral characteristic that organisms 1-7 all (likely) have in common? How do you know this?

Backbone (evolved before common ancestor)

2. Which organism(s) only developed four legs and nothing else?

#7

3. Which organisms have sharp teeth?

#3, 4, 5

4. What characteristic/s does organism 6 have?

Backbone, 4 legs, hair

5. Which organism(s) do you believe evolved to become hunters? How do you know?

#3, 4, 5 because the listed traits would be beneficial for predators

6. Is organism 7 "better" than organism 1? Why or why not?

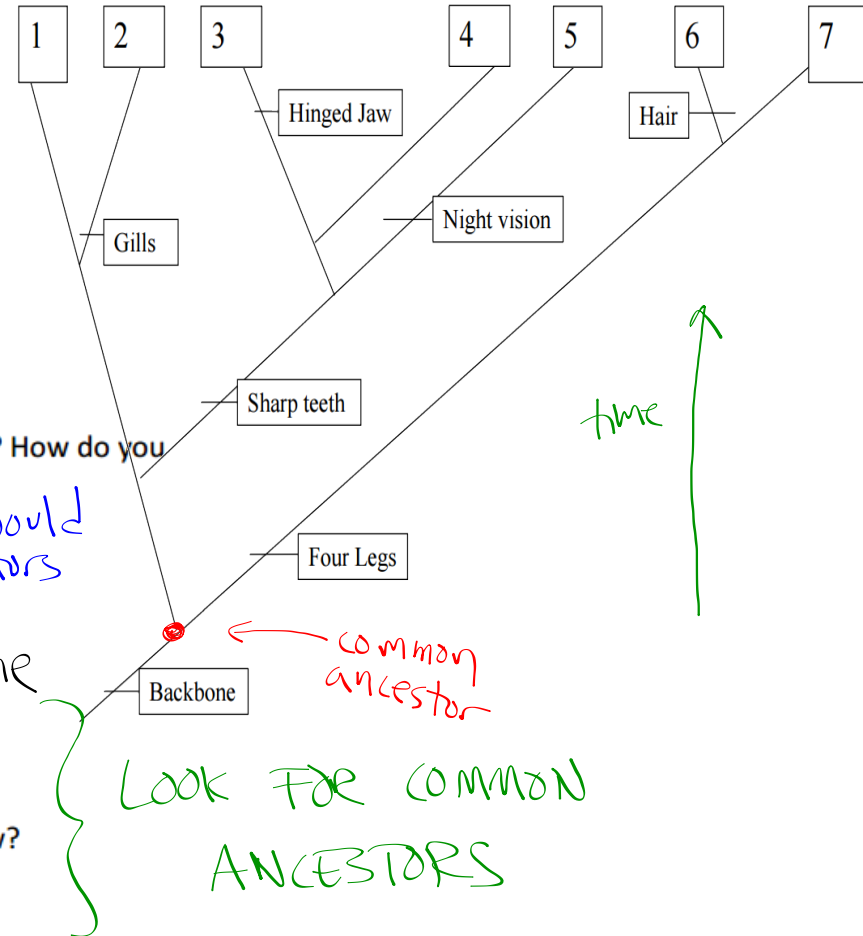
No in general, but yes in its niche

7. Which organisms are most closely related? How do you know?

1 & 2, 3 & 4, 6 & 7

8. Which organisms are most distantly related? How do you know?

1 & 7, 1 & 6



LOOK FOR COMMON ANCESTORS