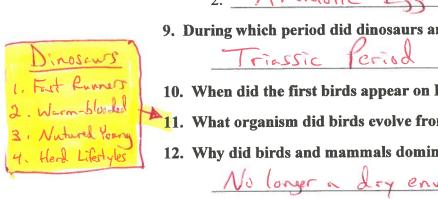
Name
Life Invaded The Land (p. 264-268) Which came (5t) the chicken or the egg?
Ozone Layer
1. During early Earth history, life in seas were protected from ultraviolet radiation.
<u>Circle One</u> : False
2. What organism was responsible for creating oxygen in the atmosphere?
Cyanobacteria -> 03 reacted to form 03
3. Why was the development of the ozone layer important for evolution on Earth?
Blocked ultraviolet radiation from land habitats
nts & Fungi On Land
1. What were advantages and disadvantages of plants and fungi that enabled them to develop on land?
Plants Advantages: Evergy from photosynthesis Disadvantages: Cannot survive on bare rock Fungi Advantages: Con whork ninerals from bare rock Disadvantages: Not photosynthetic
2. Define the term mutualism.
Mutualism - relationship between two species in which both species in which both species in which both species in
3. How did the development of mycorrhizae allow organisms to inhabit land ecosystems?
Symbiasis between plantit fungi enabled life to develop on baren
Thropods 1. Define the term arthropod
1. Define the term arthropod. Arthropod - animal with hard outer sheleton, segmented hudy, + paired, jointed limbs
2. List four examples of arthropods.
1. Crabs 2. Insects 3. Spiders 4. Jour pions
2. List four examples of arthropods. 1. Crabs 2. Insects 3. Spiders 4. Scorpions 3. Arthropods were the first land-dwelling animals on Earth.
Circle One: False 4. What adaptation enabled insects to be the most plentiful & diverse animals on Earth?

III. Arthropods

I. The Ozone Layer

II. Plants & Fungi On Land

Name
<u>rtebrates</u>
1. Define the term vertebrate.
Vertebrate - animal with a backbone (Fisher, Amphibians, Reptiles, Birls, Mammale)
2. What was the first type of vertebrate animal on Earth?
Jawker Fisher (530 mya); Jawed Faher (430 mya)
3. Define the term amphibians.
Amphibians - Smooth-skinned, four-legged animals
(frogs toads solamanders)
4. When did the first amphibians evolve on Earth? 370 mya
5. List two reasons why amphibians were the first land animals on Earth.
1. Moist brething sacs (lungs)
1. Moist breathing sacs (lungs) 2. Strong bone supports (Legs, Reinforced Head - Walki
6. When did the first reptiles evolve on Earth? 340 ~ya
7. List four examples of reptiles.
1. Snakes 2. Lizards 3. Turtles 4. Crocodiles
8. List two reasons why reptiles became well-suited for dry land.
1. Water proof Skin
2. Amnistic Egg - (water proofed)
9. During which period did dinosaurs and mammals first evolve on Earth?
Triassic Period +itle?
10. When did the first birds appear on Earth? Jurassic Period
11. What organism did birds evolve from?
12. Why did birds and mammals dominate Earth after the Cretaceous Extinction?
No longer a dry environment - No reptile advantage!
13. Define the term continental drift. Continental Drift - movement of Earthi Drift - mov



. 3-68

IV. Vertebrates

Circle One:

14. Extinctions, but not continental drift, affected evolution on Earth.

True

False

anguer - Permian Extinction