

Name: _____

Biology - Birth of the Earth Video Questions

1. What is the basic unit of all life?
2. How old is the Earth?
3. Describe the primitive Earth conditions.
4. How did the oceans form?
5. Describe the atmosphere of the primitive Earth.
6. How did amino acids get to Earth?
7. What are amino acids the building blocks of?
8. What caused part of Earth's mantle to be carved out? What did it cause the birth of?
9. What caused the huge ocean swells?
10. What is the blueprint of a living cell?
11. What were the Earth's first organisms?
12. Why was a permeable membrane important?

13. Was oxygen poisonous to early life forms?
14. How was oxygen formed?
15. Where did the first organisms arise (ocean or land)?
16. How did the mountain ranges form?
17. What are stromatolites?
18. Why do modern cyanobacteria look virtually identical to ancient cyanobacteria?
19. Cyanobacteria make their own food using sunlight. What is this process called?
20. Is oxygen produced during the process of photosynthesis?
21. What are anaerobes?
22. Which cell type has a nucleus?
23. What do mitochondria do?
24. What is the theory of endosymbiosis?
25. Name the scientist credited with the development of the theory of endosymbiosis.