

SC.912.L.15.8 – Origin of Life – Example 2 Answer

Which types of organisms developed first due to the early environmental conditions on Earth?

- A. prokaryotic and aerobic**
- B. prokaryotic and anaerobic**
- C. eukaryotic and aerobic**
- D. eukaryotic and anaerobic**

Answer

B. prokaryotic and anaerobic

Prokaryotic organisms are single-celled and would have evolved first. Since atmospheric oxygen was not initially present on Earth, the ability to use anaerobic respiration to produce energy would have been necessary for the first living organisms.