

VIDEO GUIDE FOR BOZEMAN BIOLOGY CELLULAR RESPIRATION

1. Cellular respiration takes organic compounds and converts them to _____, _____, and _____
2. Do plants do cellular respiration?
3. Give the equation for cellular respiration
4. Why do we think mitochondria used to be independently living bacteria?
5. The first step in cellular respiration is _____, the second step is the _____, and the third step is _____
6. Glycolysis takes a glucose and make _____ 3C pyruvates, _____ ATP and _____ NADH
7. Pyruvate dehydrogenase takes pyruvate and turns it into _____ and gives off _____
8. In the Krebs cycle, AcetylCoA become _____ carbon dioxides, _____ NADHs and _____ ATP
9. NADH and FADH₂ go to the _____
10. Energy from electrons is used to pump protons to the _____ space
11. The oxygen you breathe is the last electron acceptor and makes _____
12. The electron transport chain makes approximately _____ ATP
13. The protons in the intermembrane space flow back through _____ to the matrix and produce _____
14. What happens in lactic acid fermentation?
15. What happens in alcoholic fermentation?