Internet Activity: Cell Respiration and Fermentation

carbon molecule called ______.

Next Concept -->

ach/cellresp/intro.html
gy of
n of
, and can all be
s most commonly used as an example to
ses:, the
ol (cytoplasm).
via the electron
ane.
Next Concept

8. The Krebs cycle occurs in the mitochondrial matrix and generates a pool of
(ATP, NADH, and FADH
from the oxidation of pyruvate, the end product of glycolysis.
Next Concept>
9. The electron transport chain allows the release of the large amount of
stored in reduced NAD ⁺ (NADH) and reduced FAD (FADH ₂).
Next Concept>
10. In many cells, if oxygen is not present, pyruvate is metabolized in a process called
Next Concept>
11. The chemical energy stored in glucose generates far more ATP in
than in respiration without (glycolysis ar
fermentation).
What I learned?
Respond in 2-3 sentences to the following questions:
 Define cellular respiration and name the three organic compounds that can be used as fuel in cellular respiration.
2. What are the three metabolic processes of cellular respiration? Which one of these processes release the most chemical energy?
3. What are the raw materials needed for aerobic cellular respiration and what are the end products?