Name		Class
9.3 Ferme	entation	
Lesson Objectiv	/es	
Explain how of	rganisms get energy in the absence of oxyger	1.
Identify the part	hways the body uses to release energy during	g exercise.
Lesson Summa	ry	
Cells convert NADH There are two forms  alcoholic fermen	rmentation releases energy from food molecton to the electron carrier NAD <sup>+</sup> . This allows gly of fermentation. Both start with the reactants tation produces ethyl alcohol and carbon diox	ycolysis to produce a steady stream of ATP. pyruvic acid and NADH.
	yeast and a few other microorganisms	As de-
•	alcoholic beverages and causes bread dough	to rise
	ntation produces lactic acid most organisms, including humans	
	oduce beverages such as buttermilk and food	ds such as cheese, vogurt, and pickles
For short, quick fermentation. For exercise long  Fermentatio  For Questions 1–6, word or words to many many many many many many many many	ger than ~ 90 seconds, cellular respiration is to the statement is true. If the statement is true. If the statement true.  Fermentation is an aerobic process.  Fermentation occurs in the mitochondria of calcoholic fermentation gives off carbon diox	in muscles as well as ATP made by lactic acid the only way to continue generating ATP.  Attement is false, change the underlined teells.  Etide and is used in making bread.
your answers in th	e empty table cells.	completing the compare/contrast table. Write
Aspect	Fermentation	Cellular Respiration
Function		
Reactants		
Products		

Гуре of Fermentation	Summary Equation	Use in Industry	
Alcoholic			
Lactic acid			
What causes hu	mans to become lactic acid fermenters	?	
Energy and	Exercise		
<b>0.</b> What are three	main sources of ATP available for hu	man muscle cells?	
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