1.	Cellular respiration is a system for producing within a cell, by using released from					
	containing molecules such as and and These two are the					
	substrates for respiration, but others exist.					
2.	Cellular respiration occurs because cells need energy in the form of The full name for this molecule					
	is, just like, is important to note that it is a, just like,					
	,, and found in DNA. It can and energy,					
	making it an ideal energy within cells. Energy is when is converted by a(n)					
	reaction to This means that is by the reaction. Logically, this					
	also means that energy is to add a group back onto an molecule in order					
	to restore					
3.	is important for many processes. For example, it is required for transport of					
molecules across a membrane by a protein, for, which is the type of metabolism						
larger molecules from smaller ones, and because it can be used to full cells, or o						
	components such as around.					
4.	It is crucial to not confuse respiration with Respiration is the process of making,					
	whereas the latter is needed to transfer molecules such as and between tissues.					
5.	There are two types of respiration. The first step in both forms is which takes place in					
	the of a cell. Essentially, it is the process of converting to					
	It only produces molecules ofeither remains in the and					
	undergoes respiration or enters the to undergo					
	respiration which requires					
6.	The word equation for respiration is:					

7. The word equation for ______ respiration is:

8. Complete the table comparing the two types:

	Type of Respiration:					
	Substrates					
	Name of first chemical reaction:					
	Oxygen required?					
	Amount of ATP produced					
	Site					
	End-products					
9	In aerobic respiration experiments, the of respiration can be measured using an apparatus called					
5.	a The volume of produced is simply by the to					
	determine the . The units could be .					
10.						
	An such as absorbs the					
	which is produced by the sample, wh	ich could be a	seed or an	_ 000		
	The change in volume of	gast	the pressure in the vessel. This	moves the		
bubble. Draw an arrow showing the direction the bubble will move. Several factors should be contr						
	including, and					
	Complete the annotations and draw a ruled line to the correct structure.					
(Glass tube:		Airtight seal:			
r	neasures the in the(cm	3)				
5	Sample: The organism being tested, such as a		Water jacket: controls the			
_	or]		
,	Wire mesh: prevents from		substance:			
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