

# **Biological Systems and Processes**

## **Lesson 7 - Anaerobic Respiration**

KS3 Biology

Miss Hindle



## Quick Recap...

**1. What is the work equation for aerobic respiration?**

O..... + G..... → C..... D..... + W.....

**2. What do we need respiration for?**

To release .....

**3. What happens to our breathing rate when we exercise?**

**4. Why does this happen to our breathing rate?**



# Quick Check...

Complete the table to compare the types of respiration in animals

	<b>Aerobic respiration</b>	<b>Anaerobic respiration</b>
<b>Location:</b>		
<b>Reactants:</b>		
<b>Products:</b>		
<b>Amount of energy released:</b>		



## Quick Check...

1. What do we call anaerobic respiration in plants and yeast?
2. What are the products of this reaction?
3. Where in the cell does it happen?
4. Under what conditions do they use this?
5. Which everyday products do we make using this process?



# Exam Style Question

1. Compare anaerobic and aerobic respiration.  
Use the following information and your own knowledge



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## Exam Style Question

2. **Compare** aerobic respiration with anaerobic respiration in yeast cells.

Glucose + oxygen → Carbon dioxide + water + energy

Glucose → ethanol + carbon dioxide + energy

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