

QUESTION	ANSWER
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## Quiz Cards: Respiration

### How to use the quiz cards to learn the key facts

- 1) Take 6 quiz cards at a time and read through them
- 2) Cover up the answer side of the page.

Question	Answer
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- 3) Take the first quiz card and ask yourself the question. Either write the answer down or say it out loud.
- 4) Check your answer using the answer side of the card.
- 5) Do this question again until you get it right.
- 6) Repeat the process for the second question.
- 7) Before going onto the third question repeat question one and two.
- 8) When you have gone through all of the questions try and do them in a random order to really test your knowledge.

### **ONCE YOU HAVE LEARNT THEM ALL ....**

- 9) Complete some exam questions to apply your knowledge.
- 10) Check your answer with the mark scheme and correct any errors in green pen.
- 11) Repeat steps 9-10 until you get the answers correct all of the time.

QUESTION	ANSWER
<b>What is respiration?</b>	<b>A chemical reaction that releases energy.</b>
Where does respiration happen?	In the mitochondria of all cells.
What are the reactants for respiration?	Glucose and oxygen
<b>What are the products of respiration?</b>	Carbon dioxide and water
What chemical tests for carbon dioxide?	Lime water goes from clear to cloudy when carbon dioxide is present.
What happens to your body when you exercise and why?	Heart rate increases to pump more blood to your muscles as they need more oxygen and glucose for respiration to release more energy. Breathing rate increases as you need to get more oxygen into your blood as more is being used up in respiration.

QUESTION	ANSWER
What is anaerobic respiration?	Respiration without oxygen
What is the reactant for anaerobic respiration?	Glucose
What are the products of anaerobic respiration?	Lactic acid
<b>How does anaerobic respiration compare to aerobic respiration in terms of releasing energy?</b>	Anaerobic respiration only releases a small amount of energy whereas aerobic respiration releases a lot more energy.
What is meant by oxygen debt?	When lactic acid is produced it causes fatigue and must be broken down by oxygen. The amount of oxygen you need to break down the lactic acid is called the oxygen debt.

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