

# Darwin, Wallace and Natural Selection

Use this worksheet after reading the lesson to practise the key ideas and prove you can meet the success criteria.

Name \_\_\_\_\_  
Date \_\_\_\_\_  
Class \_\_\_\_\_

## 1. Key Ideas

By this point we have built a case that evolution happened. Natural selection is the mechanism that explains how those fossil, anatomical, biogeographical and molecular patterns arise. This lesson turns evidence into process.

- Key facts and definitions for Darwin, Wallace and Natural Selection
- The concepts and principles underlying Darwin, Wallace and Natural Selection

## 2. Success Criteria

By the end, you should be able to:

- Key facts and definitions for Darwin, Wallace and Natural Selection
- Relevant terminology and conventions
- The concepts and principles underlying Darwin, Wallace and Natural Selection

## 3. Key Terms

### Natural selection

the mechanism that explains how those fossil, anatomical, biogeographical and molecular patterns arise

### idea that acquired characteristics

passed to offspring

### Homeostasis

the body stays exactly the same all the time

### power of the theory

that it is not just a slogan

### all four conditions

in place, allele frequencies can shift over generations and the population changes

### Some differences

passed to offspring

## 4. Activity: Build the Lesson Map

Use the lesson to complete the table. Keep answers brief but specific.

Prompt	Your answer
Main concept	
Important example	
Common mistake to avoid	
How this links to the next lesson	

## 5. Short Answer Questions

1. Explain this lesson goal in your own words: "Key facts and definitions for Darwin, Wallace and Natural Selection". Use one specific example from the lesson.

**BAND 3** **2 MARKS**

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2. Apply this idea to a new example: "Relevant terminology and conventions". Show your reasoning clearly.

**BAND 4** **3 MARKS**

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3. Analyse why this idea matters for understanding Darwin, Wallace and Natural Selection: "The concepts and principles underlying Darwin, Wallace and Natural Selection".

**BAND 5** **4 MARKS**

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## 6. Extend: Apply the Idea

BAND 5/6

5 MARKS

**A student gives a memorised answer about Darwin, Wallace and Natural Selection but does not use evidence or reasoning.**

Improve the answer by writing a stronger response that uses accurate terminology, a relevant example and a clear explanation.

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## 7. Multiple Choice

1. What is the best first step when answering a question about Darwin, Wallace and Natural Selection?

- A. Identify the key concept being tested
- B. Write every fact from memory
- C. Ignore the command word
- D. Skip examples and evidence

2. Which answer would show stronger understanding of Darwin, Wallace and Natural Selection?

- A. An answer with accurate terms and reasoning
- B. A copied definition only
- C. A single-word response
- D. An answer with no example

3. What should you do if a question asks you to explain?

- A. Link the idea to a reason or cause
- B. List unrelated facts
- C. Only draw a diagram
- D. Write the shortest possible answer

## 8. Success Criteria Proof

Finish with evidence that you can do each success criterion.

### SUCCESS CRITERION 1

**Prove that you can: Key facts and definitions for Darwin, Wallace and Natural Selection**

**BAND 3** **2 MARKS**

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### SUCCESS CRITERION 2

**Prove that you can: Relevant terminology and conventions**

**BAND 4** **3 MARKS**

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### SUCCESS CRITERION 3

**Prove that you can: The concepts and principles underlying Darwin, Wallace and Natural Selection**

**BAND 5** **4 MARKS**

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**One thing I still need help with:**

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