

# Australian Biodiversity

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

Australia contains around 10% of the world's biodiversity, yet it also has the highest mammal extinction rate of any nation since European settlement. This lesson brings the whole module together by asking how Australia's long isolation created extraordinary biodiversity, why so much of it is now threatened, and how we should evaluate real protection strategies in an Australian context.

- Key facts and definitions for Australian Biodiversity
- The concepts and principles underlying Australian Biodiversity

## 2. Success Criteria

By the end, you should be able to:

- Key facts and definitions for Australian Biodiversity
- Relevant terminology and conventions
- The concepts and principles underlying Australian Biodiversity

## 3. Key Terms

### Learn why Australian biodiversity

globally distinctive, deeply threatened, and central to the whole logic of Module 3

### much of it

now threatened, and how we should evaluate real protection strategies in an Australian context

### Why Australian biodiversity

evolutionarily distinctive

### Immunological memory

specific; the body remembers previously encountered antigens, not all pathogens

### Understanding how systems interact

essential for HSC success

### That means Australian biodiversity

not just a celebration story; it is also a conservation warning sign

## 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 Australian Biodiversity". 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 Australian Biodiversity: "The concepts and principles underlying Australian Biodiversity".

**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 Australian Biodiversity 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 Australian Biodiversity?

- 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 Australian Biodiversity?

- 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 Australian Biodiversity**

**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 Australian Biodiversity**

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

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

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