

Malaria and Dengue — Global Case Study

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

Malaria kills a child every two minutes. Not because we lack the knowledge to prevent it — we have bed nets, insecticides, antimalarial drugs, and a working vaccine. It persists because of poverty, geography, and the relentless pressure of natural selection on both the parasite and the mosquito.

- The causative agents, vectors, and transmission of malaria and dengue
- How the Plasmodium life cycle creates multiple intervention points

2. Success Criteria

By the end, you should be able to:

- The causative agents, vectors, and transmission of malaria and dengue
- The global distribution and burden of each disease
- The main control strategies used for each disease

3. Key Terms

Yet it

both preventable and treatable

drug resistance in malaria

such a significant problem

Why dengue

harder to vaccinate against than malaria

Immunological memory

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

Dengue fever

caused by dengue virus (DENV), a flavivirus with

Dengvaxia

now recommended only for people with confirmed prior dengue infection — the opposite of the original target population

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: "The causative agents, vectors, and transmission of malaria and dengue". Use one specific example from the lesson.

BAND 3 **2 MARKS**

2. Apply this idea to a new example: "The global distribution and burden of each disease". Show your reasoning clearly.

BAND 4 **3 MARKS**

3. Analyse why this idea matters for understanding Malaria and Dengue — Global Case Study: "The main control strategies used for each disease".

BAND 5 **4 MARKS**

6. Extend: Apply the Idea

BAND 5/6

5 MARKS

A student gives a memorised answer about Malaria and Dengue — Global Case Study 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.

7. Multiple Choice

1. What is the best first step when answering a question about Malaria and Dengue — Global Case Study?

- 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 Malaria and Dengue — Global Case Study?

- 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: The causative agents, vectors, and transmission of malaria and dengue

BAND 3 **2 MARKS**

SUCCESS CRITERION 2

Prove that you can: The global distribution and burden of each disease

BAND 4 **3 MARKS**

SUCCESS CRITERION 3

Prove that you can: The main control strategies used for each disease

BAND 5 **4 MARKS**

One thing I still need help with:
