

# Modes of Transmission

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

In 1854, John Snow stopped a cholera epidemic by removing a single pump handle — before anyone knew what cholera was. His method of mapping cases to a source is still how epidemiologists trace outbreaks today.

- The three modes of transmission: direct contact, indirect contact, vector
- Why the transmission route determines the public health response

## 2. Success Criteria

By the end, you should be able to:

- The three modes of transmission: direct contact, indirect contact, vector
- Examples of diseases transmitted by each mode
- How epidemiologists investigate transmission during an epidemic

## 3. Key Terms

### source

still how epidemiologists trace outbreaks today

### Describe how data

collected to trace transmission during an epidemic

### who

at risk, and how it can be controlled

### There

three main modes of transmission

### The pathogen

carried and transmitted by a living organism (the vector) — usually an arthropod such as a mosquito, tick, or flea

### Direct contact diseases

controlled by isolation and barrier precautions

## 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 three modes of transmission: direct contact, indirect contact, vector". Use one specific example from the lesson.

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

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2. Apply this idea to a new example: "Examples of diseases transmitted by each mode". Show your reasoning clearly.

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

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3. Analyse why this idea matters for understanding Modes of Transmission: "How epidemiologists investigate transmission during an epidemic".

**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 Modes of Transmission 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 Modes of Transmission?

- 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 Modes of Transmission?

- 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 three modes of transmission: direct contact, indirect contact, vector**

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

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### SUCCESS CRITERION 2

**Prove that you can: Examples of diseases transmitted by each mode**

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

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### SUCCESS CRITERION 3

**Prove that you can: How epidemiologists investigate transmission during an epidemic**

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

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

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