

Organs, Organ Systems and Hierarchical Organisation

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

From the organelle inside a single cell to the integrated systems of an entire organism — why life is built in layers, and why each layer enables something the one below it cannot.

- Define organ and organ system with examples
- Investigate the structure and function of organs and systems

2. Success Criteria

By the end, you should be able to:

- Define organ and organ system with examples
- Describe the full hierarchy from organelle to organism
- Explain how complexity and function increase at each level

3. Key Terms

why life

built in layers, and why each layer enables something the one below it cannot

you think the difference

between an organ and a tissue, and why do you think organs need to be grouped into larger systems?

cardiovascular and digestive systems

the most common targets

the contrast in function

clearest and easiest to argue

organ

just a bigger version of a tissue

feature of an organ

that it contains

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: "Define organ and organ system with examples". Use one specific example from the lesson.

BAND 3 **2 MARKS**

2. Apply this idea to a new example: "Describe the full hierarchy from organelle to organism". Show your reasoning clearly.

BAND 4 **3 MARKS**

3. Analyse why this idea matters for understanding Organs, Organ Systems and Hierarchical Organisation: "Explain how complexity and function increase at each level".

BAND 5 **4 MARKS**

6. Extend: Apply the Idea

BAND 5/6 **5 MARKS**

A student gives a memorised answer about Organs, Organ Systems and Hierarchical Organisation 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 Organs, Organ Systems and Hierarchical Organisation?

- 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 Organs, Organ Systems and Hierarchical Organisation?

- 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: Define organ and organ system with examples

BAND 3 **2 MARKS**

SUCCESS CRITERION 2

Prove that you can: Describe the full hierarchy from organelle to organism

BAND 4 **3 MARKS**

SUCCESS CRITERION 3

Prove that you can: Explain how complexity and function increase at each level

BAND 5 **4 MARKS**

One thing I still need help with:
