

Analyse the relationship between structure and function of cells, tissues...

analyse the relationship between structure and function of cells, tissues and organs in a plant and an animal organ system and explain how these systems enable survival of the individual

Learning intention

- analyse the relationship between structure and function of cells, tissues and organs in a plant and an animal organ system and explain how these systems enable survival...

Teach and model

- comparing 2-dimensional and 3-dimensional representations of organ systems to understand how organs are positioned within the body
- comparing the structure and function of analogous systems in a plant and an animal
- examining the specialised cells and tissues involved in structure and function of particular organs in an organ system

Check understanding

- Explain the main idea in analyse the relationship between structure and function of cells, tissues... using an example.
- Show the idea in a second way: with words, a model, a diagram or symbols.
- Apply the idea to a short unfamiliar situation and justify the result.

Teaching cautions

- Ask the student to explain their choice, not only state an answer.
- Check that key vocabulary is understood in a new example.
- Mix representations so the skill is transferred rather than copied.

Quick lesson sequence

- Connect to prior knowledge and introduce the key vocabulary.
- Model one clear example, then solve a second example together.
- Finish with an independent check and a short student explanation.