

Investigate the physical conditions of a habitat and analyse how...

investigate the physical conditions of a habitat and analyse how the growth and survival of living things is affected by changing physical conditions

Learning intention

- investigate the physical conditions of a habitat and analyse how the growth and survival of living things is affected by changing physical conditions

Teach and model

- identifying the physical conditions in an aquatic or terrestrial habitat and how they change over time
- investigating how changes to physical conditions such as salinity, soil type, sunlight or temperature affect plant growth
- examining how changes in physical conditions such as temperature, light availability and rainfall affect animals, such as corals, honey bees or flying foxes, and...

Check understanding

- Explain the main idea in investigate the physical conditions of a habitat and analyse how... 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.