

22 LESSONS

TERM ONE

ABIOTIC AND BIOTIC FACTORS

- Learning Objectives
- Background
- Activities
- Curriculum Mapping





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LEARNING OBJECTIVES

Here you will find the learning objectives for this lesson

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CLASSROOM ACTIVITIES

There are two activities for this lesson.

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BACKGROUND INFORMATION

Learn more about abiotic and biotic factors

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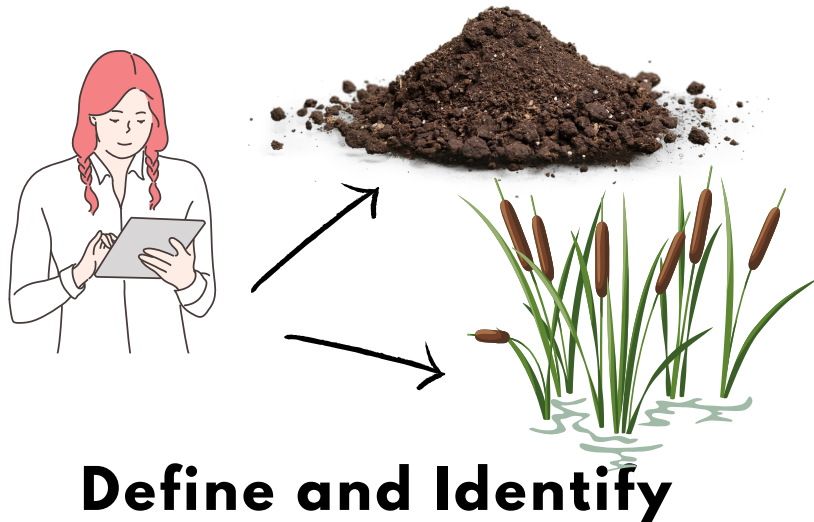
CURRICULUM

See how this lesson maps with the Australian curriculum

Learning Objectives

At the end of the lesson, students will be able to:

(1) Define and identify abiotic and biotic factors within the wetland environment.



Background Information:

What are abiotic and biotic factors?

Abiotic

Non-living components of an ecosystem. Examples include temperature, light, air, soil, water.

Biotic

Living components of an ecosystem. Examples include plants, fungi, bacteria, animals.

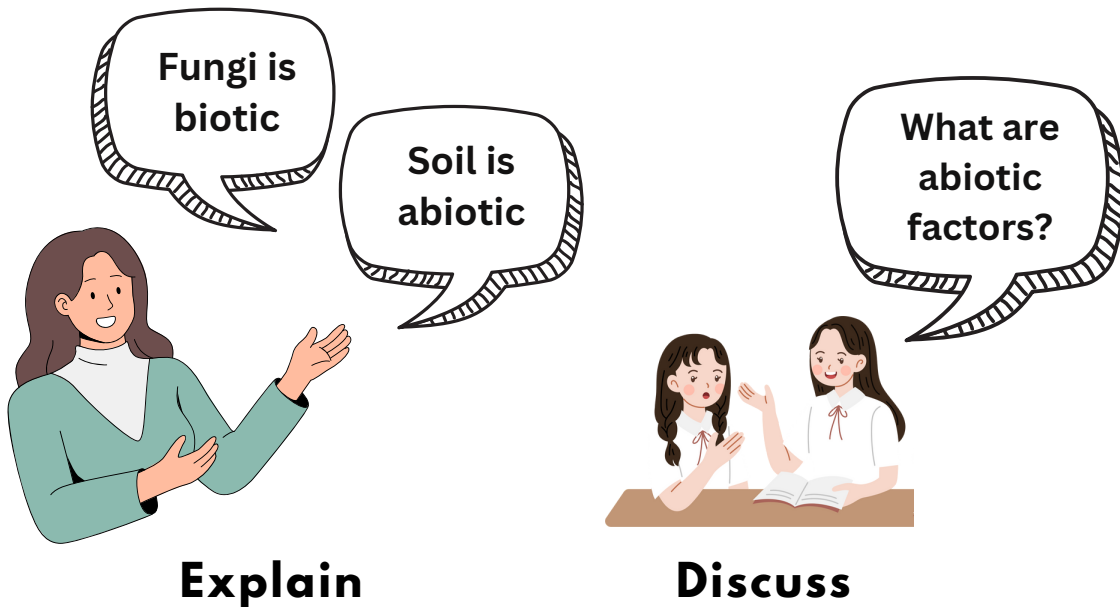
Classroom Activities

ACTIVITY 1

(1A) Explain the meaning of “abiotic” and “biotic”, using examples.

(1B) Use a projector to show images or diagrams of wetland ecosystems.

(1C) Initiate a class discussion where students identify abiotic and biotic factors in the wetland environment. Write the students ideas on the whiteboard.



ACTIVITY 2

(2A) Provide students with the worksheet with an example of a wetland habitat. Instruct students to identify biotic and abiotic factors.



Identify

Australian Curriculum addressed in this Lesson



Science

Strand: Science Understanding (Year 5)

Sub-strand: Biological Sciences

AC9S5U01: examine how particular structural features and behaviours of living things enable their survival in specific habitats.

Strand: Science Understanding (Year 6)

Sub-strand: Biological Sciences

AC9S6U01: investigate the physical conditions of a habitat and analyse how the growth and survival of living things is affected by changing physical conditions.