



LEARNING JOURNEY

Biology

7.2 What is life made of?

What is life made of?

Animal and Plant Cells

Roles of the different cell organelles.

Introduction to microscopes

Functions of different parts of a microscope.

Microscope images

Learn how to calculate total magnification and the image size of different cells using a formula

Microscopes Practical

Prepare a slide and use a microscope to observe cells. .

Specialised Cells

Know the role and function of specialised animal / plant cells.

Tissues

Identify the unique differences between tissues.
Describe the function of a tissue.

Organs

Describe the function of different organs.
Identify different organs.

Organ Systems

Identify the different organs in an organ system.
Describe the role of different organ systems.

Organ Transplant

Describe why an organ might fail to perform its function.
Identify risks associated with organ transplants.

Organ Dissection

Identify different parts of an organ.
Successfully use dissection equipment appropriately.

VOCABULARY
Cell membrane
Cell wall
Cytoplasm
Ribosome
Chloroplast

Mitochondria
Vacuole
Nucleus
Objective lens
Eukaryotic
Diffusion



READY
RESPECTFUL
RESPONSIBLE

Biology is the study of living organisms and their environment.

In this second module you build on previous learning about what life is apply it to the building blocks of life.. Cells..

This will increase your understanding of the role of cells in organisms and learn skills which allow use to observe them.

THE
RIGHT
WAY **R**



LEARNING JOURNEY

Biology

7.2 What is life made of?

What is life made of?

WE ARE HERE

Animal and Plant Cells

Roles of the different cell organelles.

Introduction to microscopes

Functions of different parts of a microscope.

Microscope images

Learn how to calculate total magnification and the image size of different cells using a formula

Microscopes Practical

Prepare a slide and use a microscope to observe cells. .

Specialised Cells

Know the role and function of specialised animal / plant cells.

Tissues

Identify the unique differences between tissues.
Describe the function of a tissue.

Organs

Describe the function of different organs.
Identify different organs.

Organ Systems

Identify the different organs in an organ system.
Describe the role of different organ systems.

Organ Transplant

Describe why an organ might fail to perform its function.
Identify risks associated with organ transplants.

Organ Dissection

Identify different parts of an organ.
Successfully use dissection equipment appropriately.

VOCABULARY
Cell membrane
Cell wall
Cytoplasm
Ribosome
Chloroplast

Mitochondria
Vacuole
Nucleus
Objective lens
Eukaryotic
Diffusion



READY
RESPECTFUL
RESPONSIBLE

Biology is the study of living organisms and their environment.

In this second module you build on previous learning about what life is apply it to the building blocks of life.. Cells..

This will increase your understanding of the role of cells in organisms and learn skills which allow use to observe them.

THE
RIGHT
WAY **R**



LEARNING JOURNEY

Biology

7.2 What is life made of?

What is life made of?

Animal and Plant Cells

Roles of the different cell organelles.

WE ARE HERE

Introduction to microscopes

Functions of different parts of a microscope.

Microscope images

Learn how to calculate total magnification and the image size of different cells using a formula

Microscopes Practical

Prepare a slide and use a microscope to observe cells. .

Specialised Cells

Know the role and function of specialised animal / plant cells.

Tissues

Identify the unique differences between tissues.
Describe the function of a tissue.

Organs

Describe the function of different organs.
Identify different organs.

Organ Systems

Identify the different organs in an organ system.
Describe the role of different organ systems.

Organ Transplant

Describe why an organ might fail to perform its function.
Identify risks associated with organ transplants.

Organ Dissection

Identify different parts of an organ.
Successfully use dissection equipment appropriately.

VOCABULARY
Cell membrane
Cell wall
Cytoplasm
Ribosome
Chloroplast

Mitochondria
Vacuole
Nucleus
Objective lens
Eukaryotic
Diffusion



READY
RESPECTFUL
RESPONSIBLE

Biology is the study of living organisms and their environment.

In this second module you build on previous learning about what life is apply it to the building blocks of life.. Cells..

This will increase your understanding of the role of cells in organisms and learn skills which allow use to observe them.

THE
RIGHT
WAY **R**



LEARNING JOURNEY

Biology

7.2 What is life made of?

What is life made of?

Animal and Plant Cells

Roles of the different cell organelles.

Introduction to microscopes

Functions of different parts of a microscope.

WE ARE HERE

Microscope images

Learn how to calculate total magnification and the image size of different cells using a formula

Microscopes Practical

Prepare a slide and use a microscope to observe cells. .

Specialised Cells

Know the role and function of specialised animal / plant cells.

Tissues

Identify the unique differences between tissues.
Describe the function of a tissue.

Organs

Describe the function of different organs.
Identify different organs.

Organ Systems

Identify the different organs in an organ system.
Describe the role of different organ systems.

Organ Transplant

Describe why an organ might fail to perform its function.
Identify risks associated with organ transplants.

Organ Dissection

Identify different parts of an organ.
Successfully use dissection equipment appropriately.

VOCABULARY
Cell membrane
Cell wall
Cytoplasm
Ribosome
Chloroplast

Mitochondria
Vacuole
Nucleus
Objective lens
Eukaryotic
Diffusion



READY
RESPECTFUL
RESPONSIBLE

Biology is the study of living organisms and their environment.

In this second module you build on previous learning about what life is apply it to the building blocks of life.. Cells..

This will increase your understanding of the role of cells in organisms and learn skills which allow use to observe them.

THE
RIGHT
WAY **R**



LEARNING JOURNEY

Biology

7.2 What is life made of?

What is life made of?

Animal and Plant Cells

Roles of the different cell organelles.

Introduction to microscopes

Functions of different parts of a microscope.

Microscope images

Learn how to calculate total magnification and the image size of different cells using a formula

WE ARE HERE

Microscopes Practical

Prepare a slide and use a microscope to observe cells. .

Specialised Cells

Know the role and function of specialised animal / plant cells.

Tissues

Identify the unique differences between tissues.
Describe the function of a tissue.

Organs

Describe the function of different organs.
Identify different organs.

Organ Systems

Identify the different organs in an organ system.
Describe the role of different organ systems.

Organ Transplant

Describe why an organ might fail to perform its function.
Identify risks associated with organ transplants.

Organ Dissection

Identify different parts of an organ.
Successfully use dissection equipment appropriately.

VOCABULARY
Cell membrane
Cell wall
Cytoplasm
Ribosome
Chloroplast

Mitochondria
Vacuole
Nucleus
Objective lens
Eukaryotic
Diffusion



READY
RESPECTFUL
RESPONSIBLE

THE
RIGHT
WAY

Biology is the study of living organisms and their environment.

In this second module you build on previous learning about what life is apply it to the building blocks of life.. Cells..

This will increase your understanding of the role of cells in organisms and learn skills which allow use to observe them.



LEARNING JOURNEY

Biology

7.2 What is life made of?

What is life made of?

Animal and Plant Cells

Roles of the different cell organelles.

Introduction to microscopes

Functions of different parts of a microscope.

Microscope images

Learn how to calculate total magnification and the image size of different cells using a formula

Microscopes Practical

Prepare a slide and use a microscope to observe cells. .

WE ARE HERE

Specialised Cells

Know the role and function of specialised animal / plant cells.

Tissues

Identify the unique differences between tissues.
Describe the function of a tissue.

Organs

Describe the function of different organs.
Identify different organs.

Organ Systems

Identify the different organs in an organ system.
Describe the role of different organ systems.

Organ Transplant

Describe why an organ might fail to perform its function.
Identify risks associated with organ transplants.

Organ Dissection

Identify different parts of an organ.
Successfully use dissection equipment appropriately.

VOCABULARY
Cell membrane
Cell wall
Cytoplasm
Ribosome
Chloroplast

Mitochondria
Vacuole
Nucleus
Objective lens
Eukaryotic
Diffusion



READY
RESPECTFUL
RESPONSIBLE

Biology is the study of living organisms and their environment.

In this second module you build on previous learning about what life is apply it to the building blocks of life.. Cells..

This will increase your understanding of the role of cells in organisms and learn skills which allow use to observe them.

THE
RIGHT
WAY **R**



LEARNING JOURNEY

Biology

7.2 What is life made of?

What is life made of?

Animal and Plant Cells

Roles of the different cell organelles.

Introduction to microscopes

Functions of different parts of a microscope.

Microscope images

Learn how to calculate total magnification and the image size of different cells using a formula

Microscopes Practical

Prepare a slide and use a microscope to observe cells. .

Specialised Cells

Know the role and function of specialised animal / plant cells.

WE ARE HERE

Tissues

Identify the unique differences between tissues.
Describe the function of a tissue.

Organs

Describe the function of different organs.
Identify different organs.

Organ Systems

Identify the different organs in an organ system.
Describe the role of different organ systems.

Organ Transplant

Describe why an organ might fail to perform its function.
Identify risks associated with organ transplants.

Organ Dissection

Identify different parts of an organ.
Successfully use dissection equipment appropriately.

VOCABULARY
Cell membrane
Cell wall
Cytoplasm
Ribosome
Chloroplast

Mitochondria
Vacuole
Nucleus
Objective lens
Eukaryotic
Diffusion



READY
RESPECTFUL
RESPONSIBLE

Biology is the study of living organisms and their environment.

In this second module you build on previous learning about what life is apply it to the building blocks of life.. Cells..

This will increase your understanding of the role of cells in organisms and learn skills which allow use to observe them.

THE
RIGHT
WAY **R**



LEARNING JOURNEY

Biology

7.2 What is life made of?

What is life made of?

Animal and Plant Cells

Roles of the different cell organelles.

Introduction to microscopes

Functions of different parts of a microscope.

Microscope images

Learn how to calculate total magnification and the image size of different cells using a formula

Microscopes Practical

Prepare a slide and use a microscope to observe cells. .

Specialised Cells

Know the role and function of specialised animal / plant cells.

Tissues

Identify the unique differences between tissues.
Describe the function of a tissue.

WE ARE HERE

Organs

Describe the function of different organs.
Identify different organs.

VOCABULARY
Cell membrane
Cell wall
Cytoplasm
Ribosome
Chloroplast

Mitochondria
Vacuole
Nucleus
Objective lens
Eukaryotic
Diffusion

Organ Systems

Identify the different organs in an organ system.
Describe the role of different organ systems.

Organ Transplant

Describe why an organ might fail to perform its function.
Identify risks associated with organ transplants.

Organ Dissection

Identify different parts of an organ.
Successfully use dissection equipment appropriately.

Biology is the study of living organisms and their environment.

In this second module you build on previous learning about what life is apply it to the building blocks of life.. Cells..

This will increase your understanding of the role of cells in organisms and learn skills which allow use to observe them.

THE
RIGHT
WAY R



READY
RESPECTFUL
RESPONSIBLE



LEARNING JOURNEY

Biology

7.2 What is life made of?

What is life made of?

Animal and Plant Cells

Roles of the different cell organelles.

Introduction to microscopes

Functions of different parts of a microscope.

Microscope images

Learn how to calculate total magnification and the image size of different cells using a formula

Microscopes Practical

Prepare a slide and use a microscope to observe cells. .

Specialised Cells

Know the role and function of specialised animal / plant cells.

Tissues

Identify the unique differences between tissues.
Describe the function of a tissue.

Organs

Describe the function of different organs.
Identify different organs.

VOCABULARY
Cell membrane
Cell wall
Cytoplasm
Ribosome
Chloroplast

Mitochondria
Vacuole
Nucleus
Objective lens
Eukaryotic
Diffusion

WE ARE HERE

Organ Systems

Identify the different organs in an organ system.
Describe the role of different organ systems.

Organ Transplant

Describe why an organ might fail to perform its function.
Identify risks associated with organ transplants.

Organ Dissection

Identify different parts of an organ.
Successfully use dissection equipment appropriately.

Biology is the study of living organisms and their environment.

In this second module you build on previous learning about what life is apply it to the building blocks of life.. Cells..

This will increase your understanding of the role of cells in organisms and learn skills which allow use to observe them.

THE
RIGHT
WAY R



READY
RESPECTFUL
RESPONSIBLE



LEARNING JOURNEY

Biology

7.2 What is life made of?

What is life made of?

Animal and Plant Cells

Roles of the different cell organelles.

Introduction to microscopes

Functions of different parts of a microscope.

Microscope images

Learn how to calculate total magnification and the image size of different cells using a formula

Microscopes Practical

Prepare a slide and use a microscope to observe cells. .

Specialised Cells

Know the role and function of specialised animal / plant cells.

Tissues

Identify the unique differences between tissues.
Describe the function of a tissue.

Organs

Describe the function of different organs.
Identify different organs.

Organ Systems

Identify the different organs in an organ system.
Describe the role of different organ systems.

Organ Transplant

Describe why an organ might fail to perform its function.
Identify risks associated with organ transplants.

Organ Dissection

Identify different parts of an organ.
Successfully use dissection equipment appropriately.

VOCABULARY
Cell membrane
Cell wall
Cytoplasm
Ribosome
Chloroplast

Mitochondria
Vacuole
Nucleus
Objective lens
Eukaryotic
Diffusion



READY
RESPECTFUL
RESPONSIBLE

WE ARE HERE

Biology is the study of living organisms and their environment.

In this second module you build on previous learning about what life is apply it to the building blocks of life.. Cells..

This will increase your understanding of the role of cells in organisms and learn skills which allow use to observe them.

THE
RIGHT
WAY R



LEARNING JOURNEY

Biology

7.2 What is life made of?

What is life made of?

Animal and Plant Cells

Roles of the different cell organelles.

Introduction to microscopes

Functions of different parts of a microscope.

Microscope images

Learn how to calculate total magnification and the image size of different cells using a formula

Microscopes Practical

Prepare a slide and use a microscope to observe cells. .

Specialised Cells

Know the role and function of specialised animal / plant cells.

Tissues

Identify the unique differences between tissues.
Describe the function of a tissue.

Organs

Describe the function of different organs.
Identify different organs.

Organ Systems

Identify the different organs in an organ system.
Describe the role of different organ systems.

Organ Transplant

Describe why an organ might fail to perform its function.
Identify risks associated with organ transplants.

Organ Dissection

Identify different parts of an organ.
Successfully use dissection equipment appropriately.



READY
RESPECTFUL
RESPONSIBLE

WE ARE HERE

Biology is the study of living organisms and their environment.

In this second module you build on previous learning about what life is apply it to the building blocks of life.. Cells..

This will increase your understanding of the role of cells in organisms and learn skills which allow use to observe them.

THE
RIGHT
WAY **R**

VOCABULARY
Cell membrane
Cell wall
Cytoplasm
Ribosome
Chloroplast

Mitochondria
Vacuole
Nucleus
Objective lens
Eukaryotic
Diffusion