

# Cells

Worksheet (Grade Level)

Name \_\_\_\_\_

## Question 1

What is the basic unit of life, and why are cells so important for living things?

## Question 2

What is the difference between unicellular organisms (like bacteria) and multicellular organisms (like humans)?

## Question 3

Name three parts of a plant cell that animal cells don't have. What do these parts do?

## Question 4

How are plant and animal cells different in shape, and why might that be important?

## Question 5

What do chloroplasts do in plant cells, and why don't animal cells have them?

## Question 6

What is the function of the nucleus in a cell, and why is it important for both plant and animal cells?

## Question 7

What do mitochondria do in a cell, and why are they called the "powerhouse" of the cell?

## Notes:

# Cells

## Worksheet (Higher Level)

Name \_\_\_\_\_

### Question 1

What is the basic unit of life, and why are cells considered the fundamental building blocks of all living organisms?

### Question 2

Explain the main differences between unicellular and multicellular organisms, and provide examples of each. .

### Question 3

Identify and describe three structures found in plant cells but not in animal cells. How do these structures contribute to the plant's survival and function?

### Question 4

Discuss how plant and animal cells differ in shape and structure. Why do you think these differences are necessary for the roles these cells play?

### Question 5

What is the function of chloroplasts in plant cells? Why are chloroplasts essential for plants and absent in animal cells?

### Question 6

What is the function of the nucleus in both plant and animal cells? How does the nucleus regulate cellular activities, and why is it critical to cell function?

### Question 7

Describe the role of mitochondria in cellular respiration. Why are mitochondria called the "powerhouse" of the cell?

### Notes:

# Cells

## Worksheet (Lower Level)

Name \_\_\_\_\_

### Question 1

What is the basic unit of life, and why are cells important for living things?

### Question 2

What is the difference between unicellular organisms and multicellular organisms? Can you give an example of each?

### Question 3

Name three parts of a plant cell that are not found in animal cells. What do these parts do?

### Question 4

How do plant and animal cells look different? Why might their shapes be different?

### Question 5

What do chloroplasts do in plant cells, and why are they not in animal cells?

### Question 6

What does the nucleus do in both plant and animal cells, and why is it important?

### Question 7

What do mitochondria do in a cell, and why are they called the "powerhouse" of the cell?

### Notes: