



Name _____ Class _____ Date _____

1 Plants can move in different directions to meet their survival needs. This picture is an example of a plant moving towards a resource it needs.

What is that resource?

- A light
- B water
- C nutrients
- D room to grow



3 If a plant is placed near a window on a sunny day, its leaves will slowly turn toward the sunlight to collect energy.

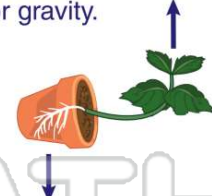
Which of the following is the movement of a plant towards light?

- A chemotropism
- B phototropism



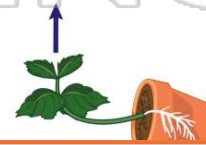
2 _____ is the **turning or bending movement** of an organism, or a part, toward or away from an **external stimulus**, such as light, heat, or gravity.

- A Respiration
- B Transpiration
- C Tropism
- D Photosynthesis



4 The growth of a plant in response to gravity is called _____.

- A chemotropism
- B phototropism
- C gravitropism
- D thigmotropism



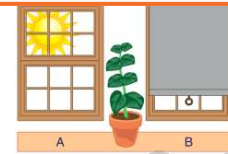
PREVIEW

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- B phototropism, a response to light
- C gravitropism, a response to gravity
- D thigmotropism, a response to contact



- A toward window A
- B toward window B
- C straight up
- D very little



9 **Growth hormones** are natural chemicals released inside a plant to help it grow.

True or false?

- A true
- B false



10 How do growth hormones affect a plant?

- A by making its life span longer
- B by changing the shape of its flowers
- C by increasing the size of its cells
- D by changing the color of the plant





ANSWER KEY

Plants can move in different directions to meet their survival needs. This picture is an example of a plant moving towards a resource it needs.

What is that resource?

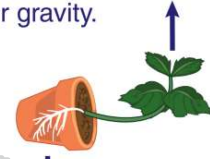
- A light
- B water
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(a)

_____ is the **turning or bending movement** of an organism, or a part, toward or away from an **external stimulus**, such as light, heat, or gravity.

- A Respiration
- B Transpiration
- C Tropism
- D Photosynthesis



(c)

If a plant is placed near a window on a sunny day, its leaves will slowly turn toward the sunlight to collect energy.

Which of the following is the **movement of a plant towards light**?

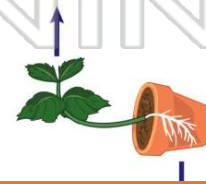
- A chemotropism
- B phototropism
- C gravitropism
- D thigmotropism



(b)

The growth of a plant in **response to gravity** is called _____.

- A chemotropism
- B phototropism
- C gravitropism
- D thigmotropism



(c)



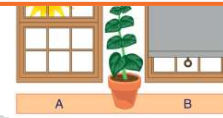
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- C gravitropism, a response to gravity
- D thigmotropism, a response to contact



- A toward window A
- B toward window B
- C straight up
- D very little



Growth hormones are **natural chemicals** released inside a plant to help it grow.

True or false?

- A true
- B false



(a)

How do growth hormones **affect** a plant?

- A by making its life span longer
- B by changing the shape of its flowers
- C by increasing the size of its cells
- D by changing the color of the plant



(c)