10 MC questions:

1. What is the role of starch within the potato?

To provide water to the growing plant

To provide DNA to the growing plant

To provide energy to the growing plant

To provide protein to the people who eat the potato

1. Where do the new potato plants emerge from?

The eyes of the potato

The hands of the potato

The face of the potato

The feet of the potato

1. What is starch made of?

Nucleotides

Sugar

Water

Sunlight

1. Which of the following is true about potatoes?

They are also called tubers

The seeds are 1 cm long

The fruit is poisonous

The leaves change color when heated

1. What was the name of the color-changing insect you saw in the video?

A rainbow wolf spider

A risdeu chameleon

A goldenrod crab spider

A praying mantis

1. Why might an animal change colors?

To hide from predators

To camouflage when hunting pray

Both A and B

Neither A nor B

1. Why did the purple beans turn green in the video?

They chlorophyll becomes activated when exposed to heat

The chlorophyll becomes activated when placed in water

The anthocyanin breaks down when exposed to heat

The anthocyanin breaks down when placed in water

1. What does anthocyanin do?

It gives the beans their purple color

It helps the beans produce energy

It gives the beans their taste

It prevents the beans from being eaten by bugs

1. What are some other places anthocyanin is found?

Purple cabbage, grapes, plums

Purple cabbage, bananas, plums

Bananas, grapes, plums

Purple cabbage, bananas, plums

1. Anthocyanin is:

Water-soluble

Fat-soluble

Nitrogen-based

Oxygen-based

4 open-ended questions:

Why are potatoes important for potato plants?

What is a special characteristic of goldenrod crab spiders? Would you like to have a goldenrod crab spider as a pet? Why or why not?

Describe what caused the beans to change color in the video.

What was your favorite thing that you saw in the garden today?

3 external resources: