DEFENSE against the BARKARTS



and then answer the comprehension questions below.



POST-LESSON

MATERIAL

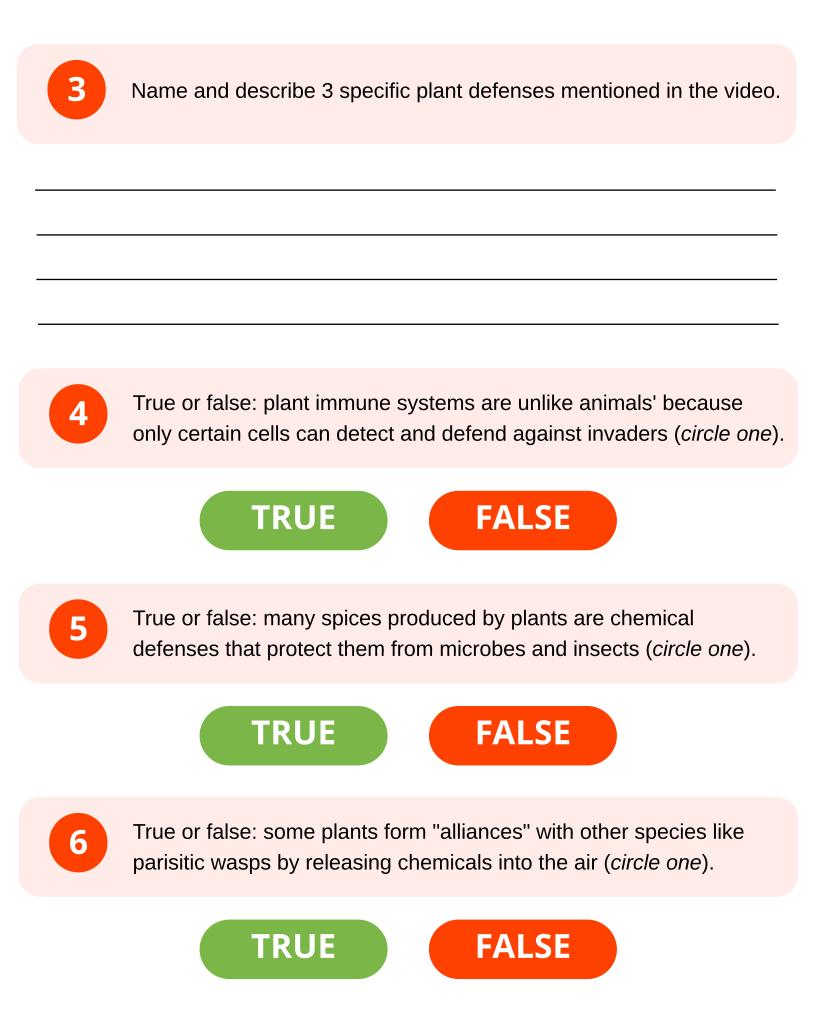
Comprehension Questions



What is lignin and what part of the tree does it protect?



What is the difference between a physical/mechanical defense and a chemical defense?





Conduct some research of your own on tree defenses.

You can search the Internet or consult books or knowledgeable sources.

Summarize your discoveries below. Give specific examples when able.

DESIGN CHALLENGE

S.O.S.! A tree is in trouble and needs YOUR help!

Can you help the made-up "lamshaw tree" by picking 2 defenses that would protect it from the threats described? The lamshaw tree in Northern California has delicious green leaves that grow on branches that hang low to the ground. Grazing deer and hungry caterpillars like to eat lamshaw leaves for their moisture and nutrients. The lamshaw also grows large fruits that look like grapefruits but taste like strawberry shortcake! Humans love to eat these fruits because they get all the flavor of cake without the calories and this makes them feel less guilty when they tell their doctors about their diet. Often, humans will take every fruit off of the tree,

leaving the tree without any seeds to reproduce.

Lamshaw Tree Defenses



Describe the first defense mechanism that you chose and why you picked it.

What type of defense is this? (circle one)

PHYSICAL

CHEMICAL

Defense #2

Describe the second defense mechanism that you chose and why you picked it.

Imagine what the lamshaw tree could look like and draw it below. You may choose to label its defenses, include the animals and insects that threaten it, or add color. Be creative!