Article 8: Venus Flytrap

North Carolina is the one place on the planet where Venus flytraps are _____ It is also home to a number of other species of carnivorous plants, less famous and more _____ but no less _____

After years of study, Alexander Volkov, a plant physiologist at Oakwood University in Alabama, believes he has figured out the Venus flytrap's secret. "This," Volkov declares, "is an electrical plant."

"When an insect brushes against a hair on the leaf of a Venus flytrap, the bending _____ a tiny electric charge. The charge _____ inside the tissue of the leaf but is not enough to _____ the snap, which keeps the Venus flytrap from reacting to false alarms like raindrops. A moving insect, however, is likely to brush a second hair, adding enough charge to trigger the leaf to close."

Volkov's experiments reveal that the charge travels down _____ tunnels in a leaf, which opens up _____ in cell membranes. Water _____ from the cells on the inside of the leaf to those on the outside, causing the leaf to rapidly _____ in shape from convex to concave, like a soft contact lens. As the leaves flip, they snap together, trapping an insect inside.

nationalgeographic.com/magazine/2010/03/carnivorous-plants/

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Listen to the audio and find the words covered with the green rectangles in the puzzle