

Article 8: Venus Flytrap

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

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 [REDACTED] a tiny electric charge. The charge [REDACTED] inside the tissue of the leaf but is not enough to [REDACTED] 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 [REDACTED] tunnels in a leaf, which opens up [REDACTED] in cell membranes. Water [REDACTED] from the cells on the inside of the leaf to those on the outside, causing the leaf to rapidly [REDACTED] 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/

I	G	P	T	S	R	E	G	G	I	R	T	M	T
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V	B	S	E	D	M	U	L	P	S	P	E	I	U
S	I	E	R	P	L	R	R	T	A	L	L	U	E
F	Z	P	R	G	R	G	B	P	L	T	L	T	E
I	A	I	I	E	G	E	S	I	F	A	E	L	D
R	R	L	S	D	A	S	F	P	O	R	E	S	I
L	R	F	E	T	S	D	S	A	E	Z	R	G	L
L	E	S	D	P	I	S	S	I	A	R	T	S	L
U	E	D	A	U	D	N	A	T	I	V	E	E	E
S	D	A	L	S	T	I	M	U	L	A	T	E	P
E	I	F	G	W	I	D	E	S	P	R	E	A	D
V	S	V	U	L	L	S	S	I	E	E	E	D	D
G	Z	B	U	I	L	D	S	U	P	S	D	I	O

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

