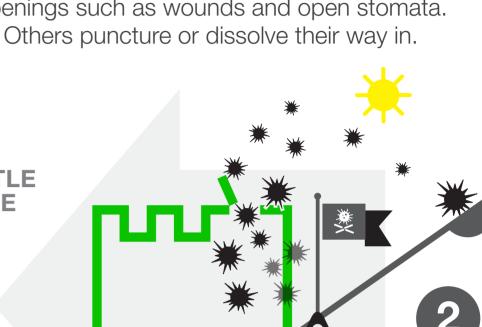
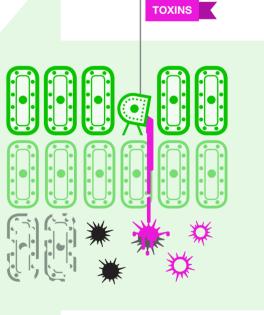


3

THE BATTLE **INSIDE** 







## **INFECTION &** CONSOLIDATION

Once inside 'fortress' plant, pathogens steal food from plant cells and release damaging toxic substances. Viruses use the plant cells to copy their genetic material to reproduce.

## **RESPONSE & FIGHT BACK**

'Fortress' plant uses chemical defences to de-activate and destroy pathogens. Plant cells make anti-microbial substances and cell walls are strengthened. Healthy cells around the infection commit cell suicide to stop the pathogen spreading.

For more teaching resources see www.saps.org.uk/plantdisease Find out more at www.bspp.org.uk/outreach

For plants, staying healthy is a never-ending battle

against pathogen attack.

Pathogen infection causes disease in plants.

But a plant is like a fortress

- it has ways of defending itself and fighting back!

**PLANT** 

**DEFENCES** 

PROTISTS

**PATHOGENS**