

Science
Adapting and competing
Book: The Plant Book
Pages 28-33

Students: Fill in the answers and return for assessment

Everything here is based on our Curriculum Visions book The Plant Book.

In this segment, we are going to learn about how plants defend themselves and how they compete with other plants.

You will need to go to pages 28-29 of the book.

Part 1

Why do plants need to defend themselves?

Answer ...

Because of dangers such as storms, fire, being eaten, etc.

Part 2

Describe three ways that plants defend themselves.

Answer ...

Answer may be general (spines and thorns, poisons, animal helpers) or specific (leaves grow if eaten, ants protect the plant, spines that break off and release poison, tough stems that resist fire, etc.)

Now turn to pages 30-31 of the book.

Part 3

What are plants competing for?

Answer ...

Survival/light, air and space

Part 4

What is the main way that annuals compete?

Why is a garden with a lot of weeds in it a sign of success for annual plants?

Answer ...

Annuals compete by growing faster than other plants/having a short lifecycle/
having small seeds that are easily carried by the wind.

Weeds are annuals, so if there are a lot of weeds, that means the annuals are
successful at growing.

Now turn to pages 32-33 of the book.

Part 5

What is the word for a plant that lives for many years?

Why are most wilderness areas made up of trees - why are trees so successful?

Answer ...

Perennial

They grow above other plants, shading them out.

That is the end of this worksheet, and you can now turn to another one. Also, find out if your teacher has left you any other worksheets or special instructions on your school website.

If you are interested in this topic, continue to browse the book and watch our amazing videos. They start right on the book cover.

Or you may want to see related books. If so just go to the top of the screen, select science, and from the page that opens choose The Plant Book.