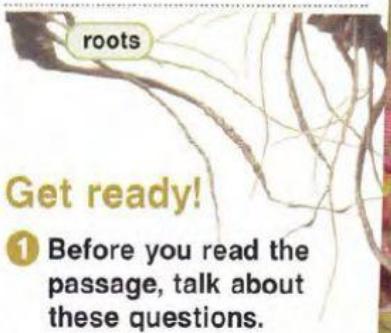
7 Plant growth



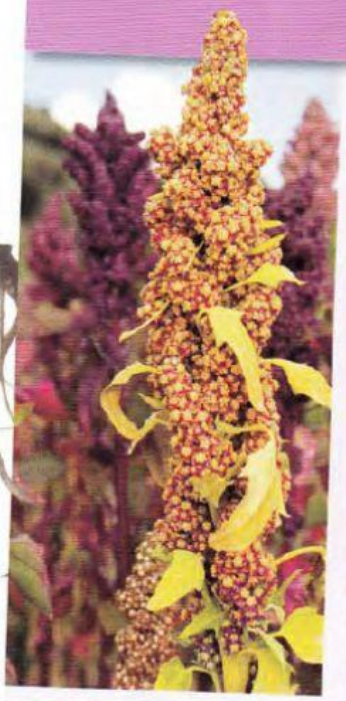








QUINOA on the Rise



Few plants have as much protein as quinoa, and it can grow in many environments. For that reason, it's become popular with gardeners and commercial farmers alike. Check out the following tips to grow quinoa at home.

Quinoa requires full sun to conduct **photosynthesis**. Sow seeds where the plant will get plenty of light. Provide at least 10 inches between rows to give the **roots** plenty of space.

If you maintain **growth charts**, you'll notice that quinoa grows slowly at first. But when the **stem** reaches about 12 inches, the **buds** will **flower**. The plant is ready for harvest when the **leaves** drop. Only the **seedheads** will remain. These can be stripped from the **branches** with little effort. Remove and dry the seeds for your first quinoa harvest.

Gardener's Monthly 19

Get ready!

1 Before you read the passage, talk about these questions.

1 How do plants change as they grow?
2 What function does each part of a plant serve?

Reading

2 Read the magazine article. Then, mark the following statements as true (T) or false (F).

1 ___ No plant has more protein than quinoa.
2 ___ Quinoa sprouts quickly and then slows.
3 ___ Farmers who grow quinoa harvest its seeds.

Vocabulary

3 Match the words (1-4) with the definitions (A-D).

1 ___ photosynthesis
2 ___ branch
3 ___ stalk
4 ___ quinoa

A a narrow part that supports leaves
B a chemical process that produces energy
C a limb of a plant
D a strong plant that is grown for its seeds

4 Fill in the blanks with the correct words and phrases from the word bank.

WORD BANK

roots growth chart seedhead
leaves buds flowering

1 Those _____ will grow into flowers.
2 Plants absorb nutrients from the soil with their _____.
3 Photosynthesis occurs in the _____ of a plant.
4 Tom keeps a detailed _____ of his crops to test how effective his fertilizers are.
5 _____ plants usually produce colorful blooms in the spring.
6 The _____ of a quinoa plant contains the protein-rich harvest.

LIVEWORKSHEETS