



Roughly how many plant species are there on earth? (Get within 50,000 species.)

**Answer: 400,000**



A scientist who studies plant biology is called a \_\_\_\_\_.  
A. botanist B. zoologist  
C. physicist

**Answer: A. botanist**



Plants play a major role in keeping the atmosphere in balance by absorbing which gas?

**Answer: carbon dioxide**



Horticulture is the art, science, technology, and business of \_\_\_\_\_.

**Answer: growing plants**



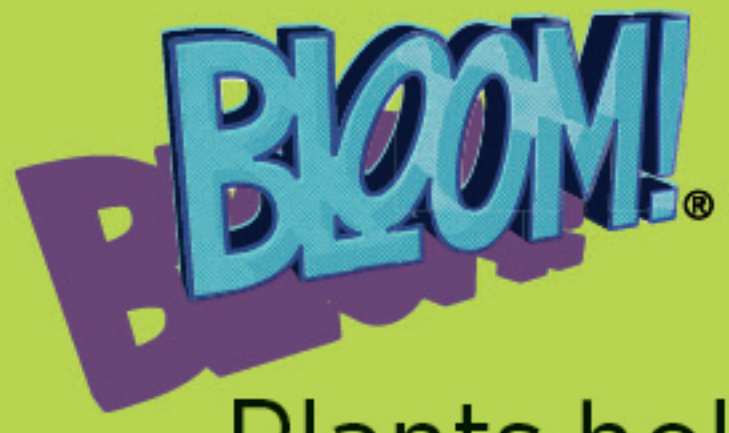
Which part of a plant performs most of its photosynthesis?  
A. roots B. stem C. leaf

**Answer: C. leaf**



Plants help people breathe by releasing which gas?

**Answer: oxygen**



Plants hold soil in place, helping to prevent which phenomenon?

**Answer: erosion**



Knowing what an arborist does, what do you think is the main feature of an arboretum?

**Answer: trees**



The pistil and stamen are contained in which part of a plant?  
A. seed B. flower C. stem

**Answer: B. flower**



What is the process in which plants convert light into energy?  
A. sprouting B. pollination  
C. photosynthesis

**Answer: C. photosynthesis**



A plant that completes its life cycle in one year or less is called a(n) \_\_\_\_\_.  
A. annual B. perennial C. conifer

**Answer: A. annual**



A botanical garden that is open year-round will likely use what kind of building to grow plants in the winter?

**Answer: greenhouse**



A landscape architect trying to choose the right tree for rocky soil should consult which professional?

**Answer: arborist**



One of the best ways to reduce the amount of carbon dioxide in the atmosphere is to ensure that the planet has healthy \_\_\_\_\_.

**Answer: forests**



Lining waterways with plants helps \_\_\_\_\_ water pollution.  
A. add to B. reduce C. remove

**Answer: B. reduce**



Urban foresters often work closely with utility companies because trees sometimes grow into \_\_\_\_\_.

**Answer: power lines**



The part of a plant that is usually belowground is known as the \_\_\_\_\_.

**Answer: root**



A plant that is not native to a region and causes ecological or economical harm is known as a(n) \_\_\_\_\_.

**Answer: invasive species**