



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 _____.
A. growing plants

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 _____.
A. forests

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 _____.
A. power lines

Answer: power lines



The part of a plant that is usually belowground is known as the _____.
A. root

Answer: root



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

Answer: invasive species