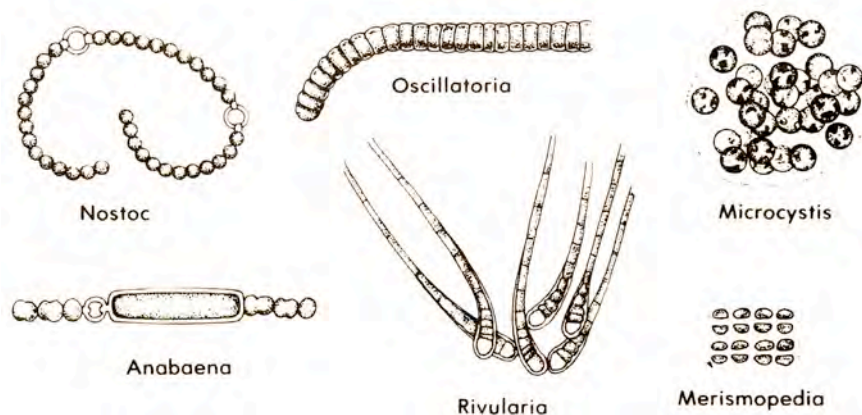


FIGURE 6.4.

Some common blue-green algae (not drawn to the same scale). (From *Biology: Its Principles and Implications* by G. Hardin and C. Bajema. Copyright © by W. H. Freeman and Co. All rights reserved.)



Bloom, the explosion of the flowering plants or *angiosperms* took place. Later, about 62 million years ago, grasses appeared to complete the roster of our modern vegetative types. The landscape had changed from its initial monotonous greenery of ferns, mosses, and pines to its present panorama of varied colors and radiant beauty.

THE QUESTION OF SOURCE

Blue-green algae and bacteria appeared in the fossil record several billion years ago. How did they come into existence? How did vegetative life begin? Science has no consistent answer to this question.

First of all, there is no fossil record of how life began. Secondly, there is obviously no evidence from direct observation for no human

FIGURE 6.5.

Prokaryotic and eukaryotic cells.

