

Teacher's Manual • Unit 8

Study Exercises: Group B (255)

1. Plants have the ability to make food.
2. Green plants contain chlorophyll in their cells. The chlorophyll-containing bodies in plant cells are chloroplasts. See pages 74 and 75.
3. The cells of plants are surrounded by supporting cellulose.
4. They are floating on the surface of a pond, in seawater, on bark of trees, in an aquarium, etc. See algae in aquarium on page 280.
5. Many small animals use algae for food.
6. True. Algae make food by the chemical process called photosynthesis. This reaction requires sunlight. Unless artificial light is used, algae will not make food in the darkness of night.

Study Exercises: Group C (260)

1. fungus
2. (a), bacterium (e), mold
(b), mushroom (f), yeast
(c), yeast (g), mold
(d), bacterium (h), mushroom

3.	Bacteria	Yeast
Characteristics	Rod, ball, or corkscrew-shaped	Ball-shaped with buds
Ways helpful	Decay dead plants and animals. Add nitrogen to soil. Used in vinegar and some cheese preparation	Raise bread dough
Cause problems	Cause tooth decay. Cause many diseases	Cause skin and lung disease. Produce alcohol (This can be helpful depending on the use.)
Reproduction	Dividing	Budding