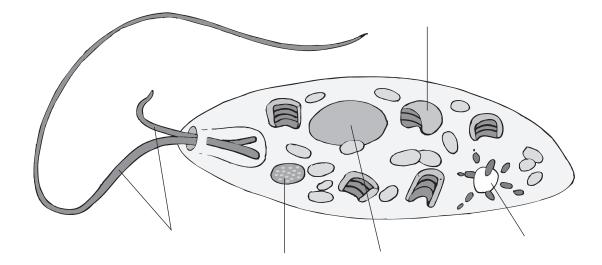
Name		Class	Dat	Date	
Se	ction 20–3 Plan	ntlike Protists: Unicellu	ılar Algae	(pages 506–509)	
4	TEKS SUPPORT: 11D Ro	ole of microorganisms in disrupting equ	uilibrium in an e	cosystem	
This	s section explains the fun	action of chlorophyll and accessory pig stinguishing features of the major ph	gments in	ŕ	
Int	troduction (page 506))			
1.	Plantlike protists are commonly called				
2.	Is the following sentence true or false? Algae include only multicellular organisms.				
		essory Pigments (page 506) osynthesis, what substances trap t	the energy of s	unlight?	
4.	How does water affect the sunlight that passes through it?				
5.	Why does the dim blue light that penetrates deep into the sea contain little energy that chlorophyll <i>a</i> can use?				
6.	How have various groups of algae adapted to conditions of limited light?				
7.	What are accessory pigments?				
8.	Why are algae such a	wide range of colors?			
	glenophytes (page 5	507) embers of the phylum			
	0 1 2	• •		·	
	Circle the letter of each sentence that is true about euglenophytes. a. They are remarkably similar to zooflagellates.				
	b. They possess chloroplasts.				
	c. They have a cell wall.				
	d. They have two flag				
11	,	nd what is its function?			

- **12.** Euglenas have a tough, intricate membrane called a(an) _____
- **13.** How do euglenas reproduce? _____
- **14.** Label the illustration of a euglena.



Chrysophytes (page 507)

- 15. The yellow-green algae and the golden-brown algae are members of the phylum
- **16.** What color are the chloroplasts of chrysophytes? _____
- 17. Circle the letter of each sentence that is true about chrysophytes.
 - **a.** The cell walls of some contain the carbohydrate pectin.
 - **b.** They reproduce sexually but not asexually.
 - c. They generally store food in the form of oil.
 - **d.** Some form threadlike colonies.

Diatoms (page 507)

- **18.** Diatoms are members of the phylum _____
- **19.** Circle the letter of each sentence that is true about diatoms.
 - **a.** They are very rare in almost all environments.
 - **b.** Their cell walls are rich in silicon.
 - c. They are shaped like a petri dish or flat pillbox.
 - d. They are among the most abundant organisms on Earth.

Dinoflagellates (page 508)

- **20.** Dinoflagellates are members of the phylum ______.
- 21. How do dinoflagellates obtain nutrition?

26. How can an algal bloom be harmful?