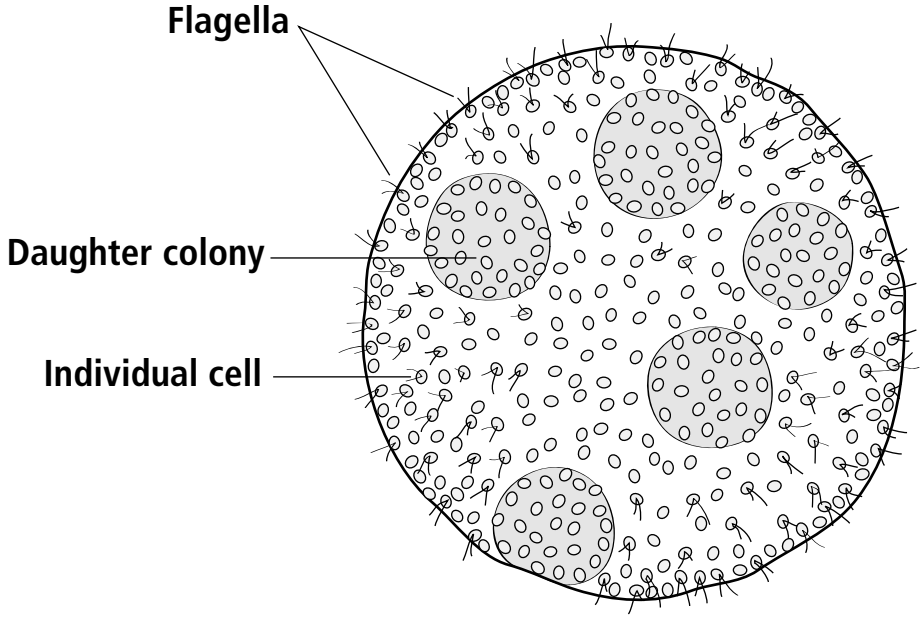
Name Date

Volvox

STUDENT RESOURCE **1.7**
ACTIVITY SHEET

Volvox are one-celled algae that live together in a colony. The colony is a hollow ball with 500 to 20,000 individual cells. Look for rolling green balls on the slide. When you see a volvox colony, look for the structures shown in the diagram.



Movement Each volvox cell has two flagella. The flagella beat together to roll the ball through the water.

Feeding Volvox cells have chlorophyll and make their own food by photosynthesis.

Reproduction Daughter colonies are small, dark green balls inside the volvox colony. When the daughter colonies mature, the parent ball bursts open and releases the daughter colonies.

Size 350 to 500 μm (Two or three volvox cells would fit in 1 mm.)

Answer the following question.

Volvox cells have eyespots that sense light. How do the eyespots help volvox survive?