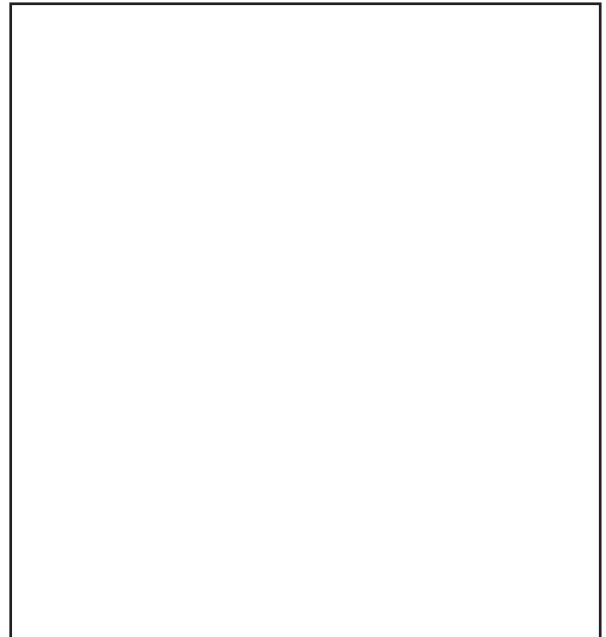
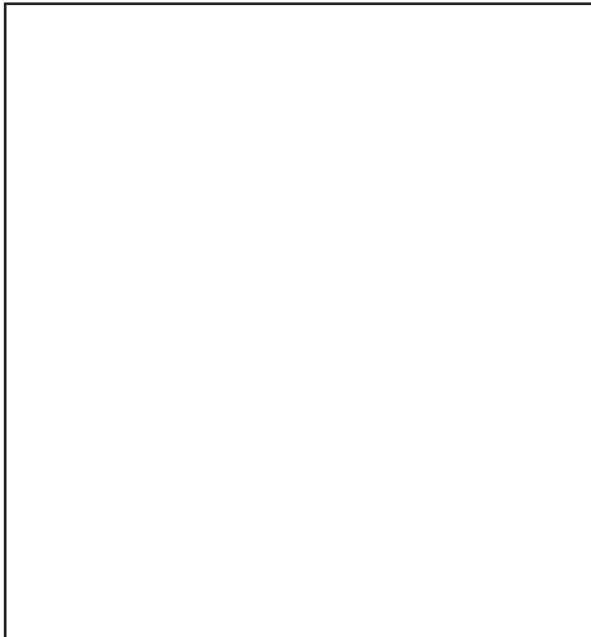


# Close Up!

## Procedure

- 1. Collaborate** Work with a partner. Peel an onion until you find one of the thin, filmy layers of onion skin between the thick layers. **Safety:** Put on goggles and gloves.
- 2.** Work on a paper towel. Put a piece of the filmy layer on a slide and put a cover slip over it. Put a small drop of iodine solution at the edge of the cover slip. **Safety:** Iodine solution is poisonous and can stain.
- 3. Compare** Take off your goggles and gloves. Under the microscope examine the slide you prepared. Then examine the slide of human cheek cells that your teacher gives you.
- 4. Record Data** In the box on the left, draw one tiny unit from the onion skin slide. Label your drawing *plant*. In the box on the right, draw one tiny unit from the cheek cell slide. Label this drawing *animal*. **Safety:** Be careful. Microscopes have delicate parts.



## Conclusion

Write the answers to the questions below.

1. **Compare** How was the *plant* unit different from the *animal* unit?  
How were the units alike?

Unit	Alike	Different
Onion		
Cheek		

2. **Ask Questions** Write a question about how the units function in a living thing.

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## Investigate More!

**Ask Questions** What questions do you have about what you observed in this Investigate activity? Compare your questions with those of your classmates.

