

Name: _____ Date: _____

Section 2.4: How Scientists Classify Living Things

Key Question: How do scientists classify living things?

BEFORE YOU READ

Look at the headings in Section 2.4. How will they help you understand how scientists classify living things?

WHILE YOU READ

Write brief notes as you read this section.

One Cell or More

1. Using microscopes, scientists discovered that organisms had different internal features. Some organisms, such as _____, are only one cell.

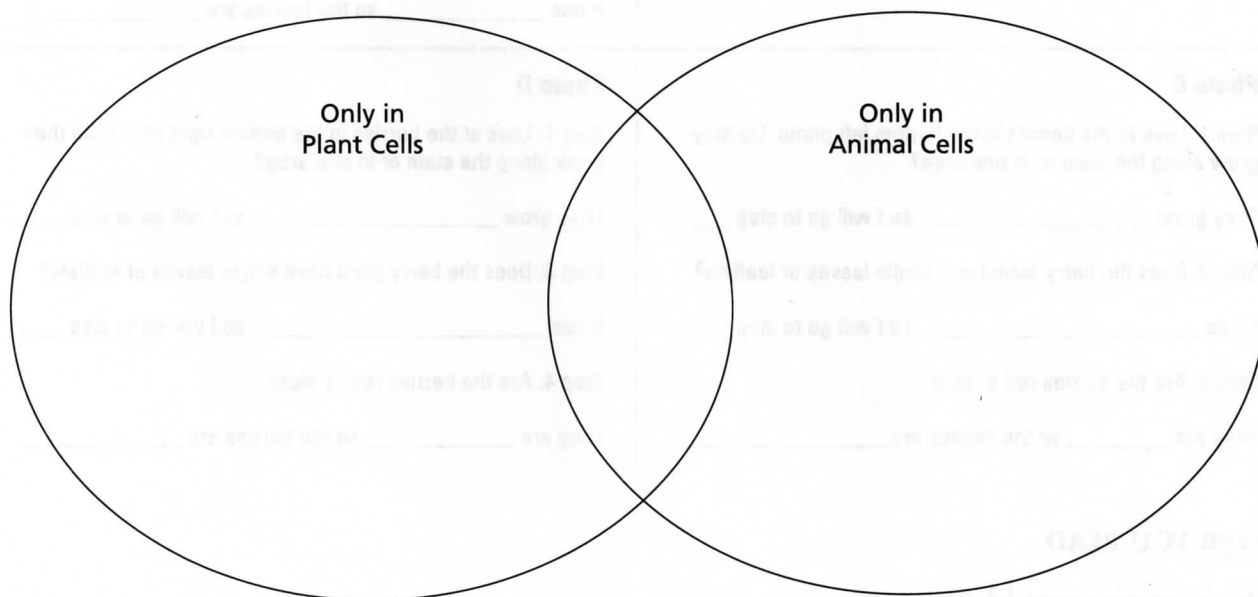
- _____
- _____

Other organisms, such as _____, are more complex.

- _____
- _____
- _____

Plant and Animal Cells

2. Use the following Venn diagram to list the features found in plant and animal cells.



Name: _____ Date: _____

Section 2.4: How Scientists Classify Living Things (continued)

The Five-Kingdom Model of Living Things

3. The names of the five kingdoms are _____

4. The kingdom with only unicellular organisms is _____
5. The kingdom with both unicellular and multicellular organisms is _____
6. The kingdoms with multicellular organisms are _____

An International Classification System

7. Why do scientists classify organisms into smaller groups?

8. What are the seven categories that are used in Linnaeus' classification system?

9. What can organisms that belong to the same species do?

AFTER YOU READ

Create a memory helper that will help you remember either

- the order of the seven categories in Linnaeus' classification system, *or*
- the five-kingdom classification of living things

Share your memory helper with a classmate.