

Cells
Section 2: Viewing Cells

Review Vocabulary Use *magnify* in a sentence.

magnify

New Vocabulary Find a sentence in Section 2 in which cell theory is used and write it here.

cell theory

Academic Vocabulary Define *compound* as an adjective.

compound

Locate and write a sentence in Section 2 in which the word *compound* is used as an adjective.

Main Idea

Details

Magnifying Cells

Summarize information in your book to describe *van Leeuwenhoek's microscope*.

Main Idea

Details

Evaluate the total magnification of a microscope with a 10X eyepiece lens and a 43X objective lens. Write the equation for finding total magnification. Then use it to show your calculation.

total magnification =

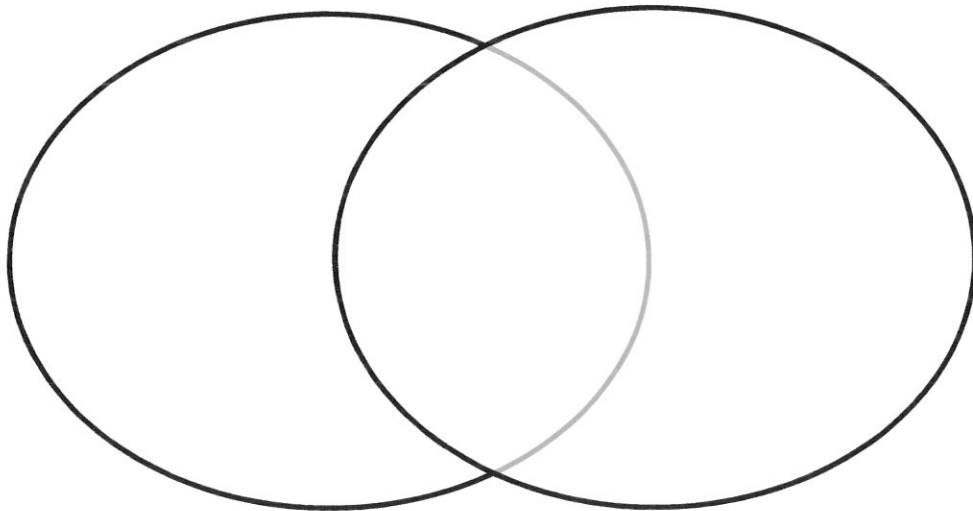
total magnification = _____

Compare compound microscopes with electron microscopes by completing the Venn diagram with at least seven facts.

Compound Microscopes

Electron Microscopes

Both



Cell Theory

Summarize discoveries made by scientists that led to the cell theory.

Robert Hooke _____

Matthias Schleiden _____

Theodor Schwann _____

Rudolf Virchow _____

List the 3 main principles of the cell theory.

1. _____

2. _____

3. _____

Connect It: Describe how the development of the cell theory shows that scientific beliefs can change over time. Use specific examples.
