



Name _____ Class _____ Date _____

1 The invention of _____ allowed people to see objects that are very small.

- A the telescope
- B the microscope
- C the kaleidoscope
- D binoculars



3 Anton van Leeuwenhoek discovered _____.

- A cells
- B bacteria
- C compound microscopes
- D simple microscopes



2 When Robert Hooke looked at cork through a microscope, he named what he saw 'cells' because _____.

- A he could barely see what he was looking at
- B the cork looked like shells
- C they were the initials of his children
- D the cork looked like tiny rectangular rooms



4 Matthias Schleiden discovered that _____.

- A all cells are round
- B all cells are rectangular
- C all plants are made up of cells



PREVIEW

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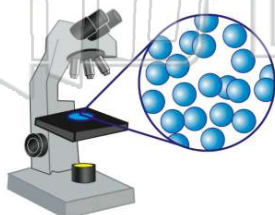
7 v
d
A
E the telescope
C the electron microscope
D the light microscope



- center of the stage
- C the ability to make things larger than they really are
- D changing the lens that is being used to see the object

9 If something is in high resolution you can see an object, but not very clearly.

- A true
- B false



10 How does the electron microscope have such high resolution?

- A It uses a beam of electrons that are bounced off of the object being magnified.
- B It uses a beam of electrons to put pressure on the object being magnified.
- C It doesn't use a beam of electrons.
- D It uses a beam of electrons to break apart the object being magnified.



ANSWER KEY

The invention of _____ allowed people to see objects that are very small.

- A the telescope
- B the microscope
- C the kaleidoscope
- D binoculars



(b)

When **Robert Hooke** looked at **cork** through a microscope, he named what he saw 'cells' because _____.

- A he could barely see what he was looking at
- B the cork looked like shells
- C they were the initials of his children
- D the cork looked like tiny rectangular rooms



(d)

Anton van Leeuwenhoek discovered _____.

- A cells
- B bacteria
- C compound microscopes
- D simple microscopes



(b)

Matthias Schleiden discovered that _____.

- A all cells are round
- B all cells are rectangular
- C all plants are made up of cells
- D all animals are made up of cells



(c)



PREVIEW

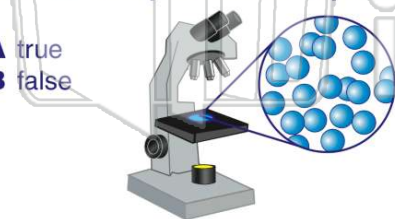
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D the light microscope



If something is in **high resolution** you can see an object, but not very clearly.

- A true
- B false



(b)

- C the ability to make things larger than they really are
- D changing the lens that is being used to see the object

How does the **electron microscope** have such **high resolution**?

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(a)