

'Through the Lens' Discovery Movie Notes

1. Every few hours cells _____ .
2. Before the invention of the _____, 300 years ago, no one knew cells existed.
3. In 1665, Robert _____ coined the term 'cell' when he examined a piece of _____ under a microscope.
4. In 1833 one of the leading botanists, Robert _____, discovered every cell contained a dense blob called a _____ .
5. When scientists observed material moving inside cells, it led them to the conclusion that cells are _____ .
6. Cells are the building _____ of LIFE.
7. An _____ is one of the simplest living creatures. The single cell is able to make its own _____, to _____, and to reproduce all on its own.
8. The cell _____ acts like a barrier, allowing material to enter and exit the cell.
9. The _____ is the control center of the cell.
10. _____ is the jelly-like substance inside the cell membrane. It is here that all the chemical _____, which keeps the cell alive, take place.
11. Human cells come in all _____ and _____.
12. Plant cells have a _____- like shape.
13. Like animal cells, plant cells have a _____ and cell _____.
14. Unlike animal cells, plant cells have a cell _____, made of cellulose, and chloroplasts.
15. Plants are able to capture the _____' energy and convert it into _____.
16. A chemical reaction with sunlight converts _____ and carbon _____ into sugars.
17. Green blobs called _____ act a bit like solar panels, harnessing the sun's energy to make a reaction possible.
18. Roots normally grow deep _____.
19. Root cells DON'T contain green chloroplasts because they don't normally see the _____ of day.