



Across

- 2 Interphase, mitosis, and cytokinesis are phases of the _____. (two words) (4,5)
- 4 New cells for growth and repair are produced through _____. (7)
- 5 All of the organelles in a cell are suspended in this liquid. (9)
- 7 This thin cell lining controls what molecules enter and leave the cell. (two words) (4,8)
- 9 The endoplasmic _____ is a network

of tubular membranes within the cytoplasm of the cell involved in the transport of materials. (9)

- 10 The longest stage in the cell cycle is _____. (10)
- 12 Watering a drooping plant will fill the cell _____ with water. (8)
- 13 _____ is the last stage of mitosis, before the cell splits into two daughter cells. (9)
- 14 The first state of mitosis is _____. (8)

Down

- 1 These organelles produce ATP, which fuels the cell. (12)
- 3 Each plant cell has a rigid _____ that maintains the cell's shape and protects it from injury. (two words) (4,4)
- 4 Improvements in technologies such as the _____ led to the development of the cell theory. (10)
- 6 These plant organelles convert the sun's rays into energy that the cell can use. (12)
- 7 The _____ tells us

that all living things are composed of cells and that living cells come only from other living cells. (two words) (4,6)

- 8 Reproductive cells are produced through _____. (7)
- 11 This organelle contains DNA tightly packed into chromosomes and directs much of the cell's activity. (7)