Sci 9 CYU p52 1,3,4,6,7,8,9b, 14,15,17

1. Stages of cell cycle are: Interphase, Mitosis (Prophase, Metaphase, Anaphase, Telophase), Cytokinese.
2. About 90% of cell cycle is spent in Interphase.
3. Before Mitosis can begin, cell must be large enough and DNA (and organelles) copied.

6.Immediately following cell division, daughter cells enter interphase.

7. Each daughter cell has same number of chromosomes as parent, 46.

8. A. anaphase, B. metaphase c. cytokinesis d. chromosomes duplicated – prophase

9b. Prophase – chromosomes visible, duplicated (chromatids, like an X), spindle fibers visible, centriole migrate to poles.

14. RBC’s cannot divide because they have no nucleus.

15. Interphase is not really a resting phase because the cell is carrying out it’s daily activities along with growth and development.

17. a. plant, cytokinesis b. plant, prophase c. animal anaphase d. animal cytokinesis.