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1. Cell Cycle: Interphase, Mitosis, Cytokinesis
2. Cell spends approximately 90% of its time in interphase.
3. DNA must be copied before mitosis.

6.daughter cells immediately enter interphase following cell division.

7. after mitosis, a normal human cell may have double this until cytokinesis is completed, then each cell will have 46 again.

8. a.Anaphase b. Metaphase c. cytokinesis d. prophase

9. a. Prophase – chromosomes visible, spindle fibres form

b. Metaphase – chromosomes line up along middle

c. Anaphase – sister chromatids are pulled apart by spindle and move to opposite poles of cell

d. Telophase – spindles disappear, nucleolus forms, two nuclei visible

14. RBC’s cannot divide

15. A cell is not resting in interphase. It is growing, performing its routine functions, copying organelles, DNA replicates.

17. a. No pinching of cell membrane in plant cells, plant cells are usually squarish. So A and B are probably plant cells. C and D probably animal.

b. A. cytokinesis B. Prophase C. anaphase D. telophase.