

## Section 1.2 - The Cell Cycle – textbook pg 28 – 36

- a. Explain the difference between Interphase and Mitosis
- b. Approximate by percentage how much time the cell spends in each stage
- c. Differentiate between the terms chromosome, chromatin and sister chromatids
- d. Explain why cells need to divide
- e. Identify and describe the three stages in Interphase
- f. Produce a step by step procedure describing mitosis
  - i. Draw an image for each stage
  - ii. Label all parts
  - iii. Describe the activities that are occurring in each stage
- g. Identify three factors that affect mitosis
- h. Describe the difference between necrosis and apoptosis
- i. What is cancer?
- j. What are the explanations as to what causes cancer?
- k. Compare normal cells to cancer cells.