

## System Life Cycle – Worksheet 1

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1. The development and implementation of a computer system involves a number of steps in a System Life Cycle
  - a. In the initial stages, a feasibility study is compiled. Name **two** things you expect to find in the feasibility study.
    - i. \_\_\_\_\_
    - ii. \_\_\_\_\_
  - b. Why is it advisable to do an in-depth analysis of the existing system before developing a new system?  
\_\_\_\_\_  
\_\_\_\_\_
  - c. Name **three** ways in which data can be collected during system analysis.
    - i. \_\_\_\_\_
    - ii. \_\_\_\_\_
    - iii. \_\_\_\_\_
  - d. In which stage of the system life cycle do you expect flowcharts to be drawn up?  
\_\_\_\_\_
  - e. At a later stage in the system life cycle the systems analysts must decide on a suitable changeover method.  
Name **two** changeover methods and name one advantage and one disadvantage for each.
    - i. Changeover method: \_\_\_\_\_  
  
Advantage: \_\_\_\_\_  
  
Disadvantage: \_\_\_\_\_
    - ii. Changeover method: \_\_\_\_\_  
  
Advantage: \_\_\_\_\_  
  
Disadvantage: \_\_\_\_\_
  - f. Suggest **two** reasons why a system might need maintenance after a while.
    - i. \_\_\_\_\_
    - ii. \_\_\_\_\_