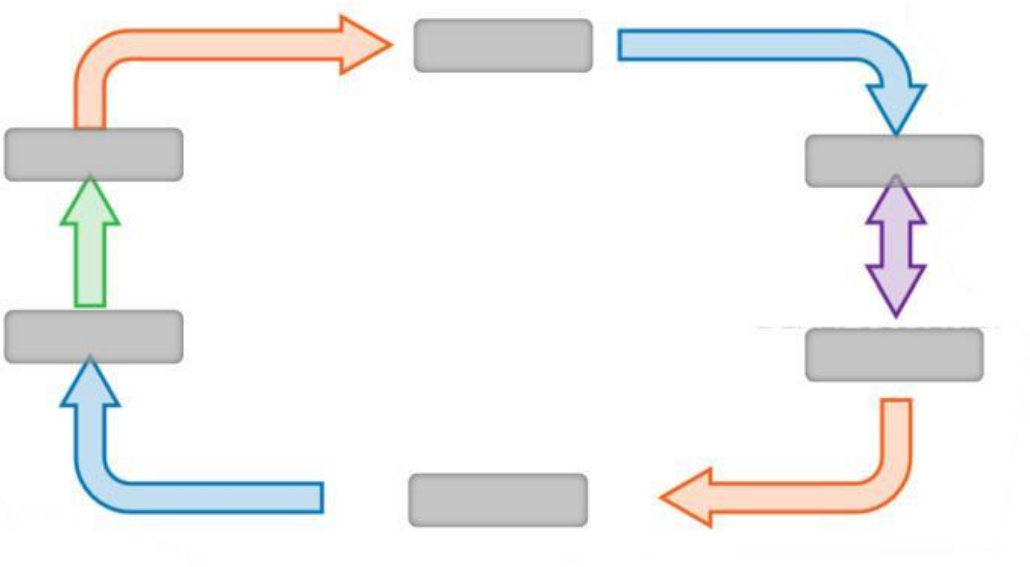
Chapter 7: The Systems Life Cycle

7.1 Analysis

Name **Class**

1. Complete the systems life cycle



Design	Implementation
Analysis	Evaluation
Development & Testing	Documentation

2. A **data flow diagram (DFD)** can be used to identify 4 things. What are they?

- ☐ What inputs take place
- ☐ What kind of information the system needs
- ☐ What the system will look like
- ☐ What the customers want
- ☐ What the system developers want
- ☐ What storage may be needed
- ☐ What outputs are produced
- ☐ What the user wants
- ☐ What the user needs
- ☐ What processing is done

LIVEWORKSHEETS

3. Match the names of methods of researching the current system, to their definitions.

Observation	This method allows the analyst to see how existing files are kept, look at operating instructions and training manuals, check the accounts, etc. This allows the analyst to get some idea of the scale of the problem, memory size requirements, type of input/ output devices needed, etc.
Interviews	This method involves watching personnel using the existing system to find out exactly how it works.
Questionnaires	This method involves distributing questionnaires to the workforce, clients or system users to find out their views of the existing system and to find out how some of the key tasks are carried out.
Looking at existing documents	This method involves a one- to-one question-and-answer session between the analyst and the user. It is a good method if the analyst wants to probe deeply into one specific aspect of the existing system.

LIVEWORKSHEETS

4. Place the correct advantages and disadvantages under their respective methods of researching the current system.

	Observation	Interviews	Questionnaires	Looking at existing documents
Advantage				
Disadvantage				

It is possible to modify questions on the fly as needed	This method allows information to be obtained which was not possible by any of the other methods	It is susceptible to the Hawthorne effect	It can be a very time-consuming exercise
All inputs and outputs of the current system are seen	Allows a greater number of people to take part	Because of the analyst's time needed, it is a relatively expensive method to use	The number of responders can be low; not always a popular method

LIVEWORKSHEETS