

Name _____

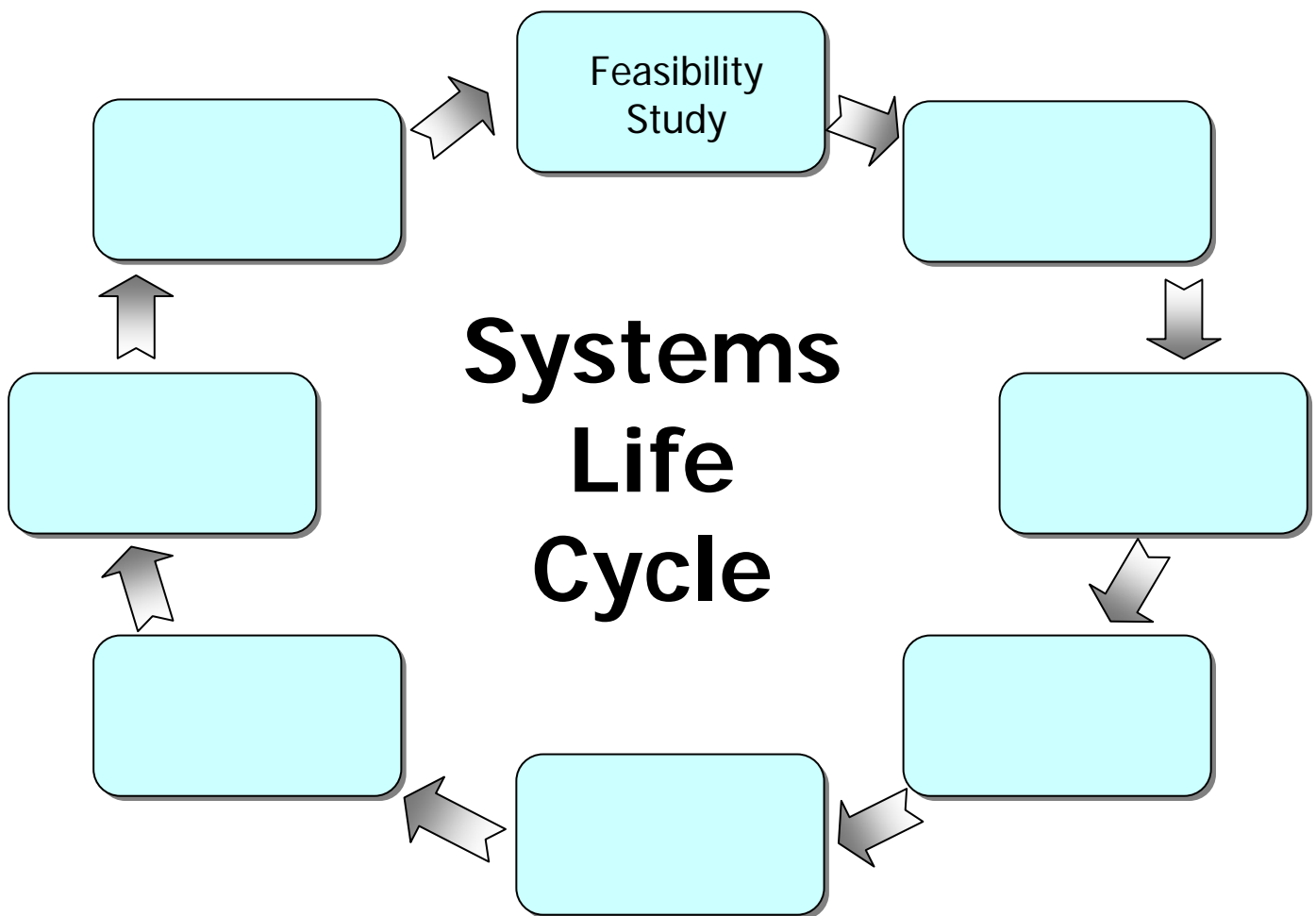
WORKSHEET 9 – SYSTEMS DEVELOPMENT

Make sure that you are familiar with all of the information detailed in this booklet. There are a number of tasks for you to carry out, be sure to read the information fully whilst completing the tasks. You could be asked about any of this in the test!

Use the theory notes in the worksheet 9 section of the teach-ict.com site to help you complete this booklet.

TASK 1: SYSTEMS LIFE CYCLE

Identify the different stages of the Systems Life Cycle and enter them into the boxes below in the correct order.



TASK 2: STAGES IN THE SYSTEMS LIFE CYCLE

Read through the theory notes about the different stages of the SLC. Try to explain briefly (in no more than three sentences) what happens during each stage.

Remember, you just need an overview of this topic, not an in-depth knowledge – do not try to copy all of the notes from the page, just summarise them in your own words.

Feasibility Study

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Investigation

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Analysis

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Design

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Development

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Testing

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Implementation

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Evaluation

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TASK 3: IDENTIFY THE STAGE

Read through the descriptions below and identify which stage of the SLC is being referred to.

Description	Stage
During this stage, the programmers follow the specification drawn up during the design stage. They write the program code that will eventually create the system.	
It is important during this stage to check that the system things exactly as it should. Bugs need to be found and any errors corrected. It is important that this stage is carried out systematically and a detailed plan is usually needed.	
This stage involves looking at the system which is now installed and being used by staff. It is where questions are asked such as 'does the system solve the original problem?'	
This stage is where the existing system is examined to see how it is currently working. Questionnaires are used to ask members of staff for data, interviews might take place, an audit trail might be followed.	
This is where the new system is handed over to the company and installed. People begin to use the new system.	
The purpose of this stage is to see if it is worth going ahead with the new system. As new projects cost money, take time and effort, there is not point in starting a project only to abandon it mid-way through.	
This stage looks at how the new system will be built, including what needs to be input to the system, processed and output from the system. This is where the screen layout is chosen, error messages are written and font style/sizes are picked.	

TASK 4: BETA TESTING

Use the words below to fill in the gaps in the text.

DEVELOPERS	FEEDBACK	ENSURE
USERS	TESTED	SOFTWARE
BUGS	VERSION	ADJUSTMENTS

When _____ is developed it is vital that it is fully _____. In order to do this, testing must be carried out by people other than the software _____.

Before a _____ of software is released it is made available to selected _____ outside of the development company. These people test the software further to _____ that it has as few _____/faults as possible. Constructive _____ is passed back to the software developers, in order to make any required ADJUSTMENTS.

TASK 5: VERSION NUMBERS

Explain why different version numbers are used for software which is still currently being developed.

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END OF WORKSHEET