



Digital Literacy I: Fundamentals

Unit 5 Processing, Memory, Storage

STUDY GUIDE

UNIT OUTLINE

Complete this Unit and you will be able to:

- Label and describe the internal hardware of a desktop computer
- Check the type and speed of the CPU installed in your notebook computer
- Check the type and capacity of the RAM installed in your computer
- Check the total and available storage space on your computer's internal hard-drive
- Connect and safely remove an external, USB-drive

LEARNING OBJECTS

Study the learning objects outlined below. **As you read the pages, also watch the videos and perform the tasks that you learn about by following along with the steps on your notebook computer.**

NOTE: The web pages that you read may include links to further references or other websites. You are not required to follow the links and read the additional information unless you need further clarification to understand a topic or learn a particular skill.

PROCESSING AND MEMORY

1. Watch <http://ed.ted.com/lessons/inside-your-computer-bettina-bair>
2. Read the following web pages:
 - a. <http://www.gcfllearnfree.org/computerbasics/7>
 - b. <http://www.computerhope.com/jargon/c/cpu.htm>
 - c. <http://www.computerhope.com/jargon/m/memory.htm>
 - d. http://www.tutorialspoint.com/computer_fundamentals/computer_ram.htm
 - e. <http://www.computerhope.com/jargon/r/ram.htm>
 - f. <http://www.computerhope.com/jargon/r/rom.htm>
 - g. <http://www.computerhope.com/issues/ch001361.htm>
 - h. <http://www.computerhope.com/jargon/v/virtmemo.htm>
3. Read the Tips and the section for "Window 8 and 10" at computerhope.com/issues/ch000149.htm
4. Take Exam 1





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STORAGE

1. Read the following web pages:
 - a. <http://www.computerhope.com/jargon/s/stordevi.htm>
 - b. <http://www.computerhope.com/jargon/h/harddriv.htm>
 - c. <http://www.windowscentral.com/windows-10-check-free-space-hard-disk>
 - d. <http://www.computerhope.com/jargon/j/jumpdriv.htm>
 - e. <http://www.gcflearnfree.org/windowsbasics/working-with-flash-drives>
 - f. <http://www.computerhope.com/issues/ch001396.htm>
 - g. <https://danielmiessler.com/blog/the-difference-between-ssd-and-flash-hard-drives/>
2. Watch <https://www.youtube.com/watch?v=xQkdm7I4IOc>
3. Complete Lab 1

UNIT EXAM

1. In preparation for the Exam, critically-think each topic in the Unit Outline:
 - a. Are you confident in your knowledge about each item?
 - b. Challenge yourself to summarize key points, concepts, or skills about each topic
 - c. Could you perform all lab procedures without using references?
2. Review the list of Additional Resources; study topics as needed
3. Take the Unit Exam (Closed Book)

ADDITIONAL RESOURCES

The following learning objects are optional, but may give further clarification on a topic if needed

- Computer – CPU (Central Processing Unit)
http://www.tutorialspoint.com/computer_fundamentals/computer_cpu.htm
- Computer – Read Only Memory
http://www.tutorialspoint.com/computer_fundamentals/computer_rom.htm





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RELEVANCY REMINDER:

M-SAMC resources reflect a shared understanding of grant partners at the time of development. In keeping with our industry and college partner requirements, our products are continuously improved. Updated versions of our work can be found here: <http://www.msamc.org/resources.html>.

