

Name:


Period:

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# Computer Memory & Storage

## Unit 3—Test Review Worksheet

1. Put the following units of size in order by size.

Megabyte		Smallest	Choose an item.
Byte			Choose an item.
Petabyte			Choose an item.
Gigabyte			Choose an item.
Kilobyte			Choose an item.
Terabyte			Choose an item.
Exabyte			Choose an item.
Bit			Choose an item.
		Largest	

2. \_\_\_\_\_ is the language that computers communicate and process information with.
3. The name of the smallest unit of data that can be stored is a \_\_\_\_\_.
4. 8 bits of data are called a \_\_\_\_\_.
5. What is the storage size of this word: COMPUTER      Bytes  
Bits
6. Kilobyte equals approximately \_\_\_\_\_ bytes.
7. Terabyte equals approximately \_\_\_\_\_ bytes.
8. Gigabyte equals approximately \_\_\_\_\_ bytes.
9. Megabyte equals approximately \_\_\_\_\_ bytes.
10. \_\_\_\_\_ is the area in the computer that temporarily holds data waiting to be processed.
11. \_\_\_\_\_ is the memory in the computer that holds data as you manipulate (process) it.
12. \_\_\_\_\_ is the memory in the computer that contains instructions used when it 'boots up.'
13. The place where data is held while you are not processing it is called \_\_\_\_\_.

14. List the three kinds of storage:
- - 
  -
15. The use of low powered lasers to save (burn) and read data from CDs and DVDs is called \_\_\_\_\_.
16. \_\_\_\_\_ is the use of a chip to electronically save, erase or reprogram data.
17. A means of recording data onto disks or tape by magnetizing particles is called \_\_\_\_\_.

**Directions:** Identify the storage Devices and indicate if the devices use Magnetic, Optical or Electronic Storage:

Definition	Device Name	Type of Storage
18. Used by some businesses to back up and archive large amounts of data	Choose an item.	Choose an item.
19. Used to store videos, allows for better graphics and greater resolution photos	Choose an item.	Choose an item.
20. A type of storage device that is becoming obsolete because it is not big enough to store one song or high resolution photo	Choose an item.	Choose an item.
21. Used for storing data in digital cameras and some mobile phones, MP3 players and video game consoles.	Choose an item.	Choose an item.
22. Located inside the computer's system unit	Choose an item.	Choose an item.
23. Used to store music and some documents	Choose an item.	Choose an item.
24. Has its own case and sits outside of the computer's system unit	Choose an item.	Choose an item.
25. A small storage device that you plug into a USB port; easy to carry around	Choose an item.	Choose an item.

26. \_\_\_\_\_ is a CD that you can burn to only one time and thereafter it is read-only.
27. \_\_\_\_\_ is a CD that you will never burn to because it contains music or software.
28. \_\_\_\_\_ is a CD that you can burn to many times until it is full.

**Directions:** Indicate whether the statements below are true or false.

Computer Memory Statements	True/False
29. ROM stands for Read Open Memory.	Choose an item.
30. Data stored in ROM is erased when the power is turned off.	Choose an item.
31. ROM contains instructions needed for the computer to boot.	Choose an item.
32. Non-Volatile means that data is not erased when the power is turned off.	Choose an item.
33. RAM stands for Random Access Memory.	Choose an item.
34. RAM stores data while you are processing it.	Choose an item.
Computer Storage Statements	True/False
35. CDs and DVDs store data magnetically.	Choose an item.
36. Hard Drives and Floppy Disks store data optically.	Choose an item.
37. The cost of flash drives varies based on its storage capacity.	Choose an item.
38. CDs are primarily used for storing video and photos.	Choose an item.

**Directions:** Identify which Storage Device should be used for the task.

Task	Storage Device
39. Storing the software that runs on a desktop computer.	Choose an item.
40. Storing the latest chart topping music album of a rap group.	Choose an item.
41. Transferring a 2 page report from school to home.	Choose an item.
42. Storing a video.	Choose an item.
43. Storing a back-up copy of the data on a school's network.	Choose an item.
44. Storing photos from a digital camera.	Choose an item.

**Comparisons:**

45. Put these common storage devices in order of Storage Capacity Size from Smallest storage capacity to Largest.

Storage Device	Smallest to Largest Storage Capacity
<ul style="list-style-type: none"><li>• DVD</li><li>• Hard Drive</li><li>• Flash Drive</li><li>• Floppy Disk</li><li>• CD</li></ul>	<ol style="list-style-type: none"><li>1. Choose an item.</li><li>2. Choose an item.</li><li>3. Choose an item.</li><li>4. Choose an item.</li><li>5. Choose an item.</li></ol>

46-50. (Worth 5 points) Write a well-constructed paragraph (5 or more sentences) defining the Cloud, what it is, why people use it and why they hesitate to use it.