

Technology in Action, 9e (Evans) - Student Text

Chapter 2: Looking at Computers: Understanding Your Computer

1) _____ displays use organic compounds that produce light when exposed to an electric current.

- A) LED
- B) LCD
- C) OLED
- D) CRT

Answer: C

Diff: 2

Section Ref: Monitors

2) Which of the following is NOT one of the four major data processing functions of a computer?

- A) gathering data
- B) processing data into information
- C) analyzing the data or information
- D) storing the data or information

Answer: C

Diff: 1

Section Ref: Computers Are Data Processing Devices

3) _____ is data that has been organized or presented in a meaningful fashion.

- A) Information
- B) A number
- C) A character
- D) A symbol

Answer: A

Diff: 1

Section Ref: Computers Are Data Processing Devices

4) Computers gather data, which means that they allow users to _____ data.

- A) present
- B) input
- C) output
- D) store

Answer: B

Diff: 1

Section Ref: Computers Are Data Processing Devices

5) The _____ language consists of just two digits: 0 and 1.

- A) application
- B) binary
- C) base 10
- D) data processing

Answer: B

Diff: 2

Section Ref: Bits and Bytes: The Language of Computers

6) After a picture has been taken with a digital camera and processed appropriately, the actual print of the picture is considered _____.

- A) data
- B) output
- C) input
- D) a process

Answer: B

Diff: 1

Section Ref: Bits and Bytes: The Language of Computers

7) _____ binary digits (or bits) combine to create one byte.

- A) Ten
- B) Sixteen
- C) Eight
- D) Two

Answer: C

Diff: 2

Section Ref: Bits and Bytes: The Language of Computers

8) The term "bit" is short for _____.

- A) megabyte
- B) binary language
- C) binary digit
- D) binary number

Answer: C

Diff: 2

Section Ref: Bits and Bytes: The Language of Computers

9) Computers process data into information by working exclusively with _____.

- A) multimedia
- B) words
- C) characters
- D) numbers

Answer: D

Diff: 1

Section Ref: Bits and Bytes: The Language of Computers

10) The _____ contains the central electronic components of the computer.

- A) motherboard
- B) system unit
- C) peripheral unit
- D) input unit

Answer: A

Diff: 1

Section Ref: Processing and Memory on the Motherboard

11) _____ is the set of computer programs that enables the hardware to perform different tasks.

- A) Hardware
- B) Binary data
- C) Software
- D) Data

Answer: C

Diff: 2

Section Ref: Bits and Bytes: The Language of Computers

12) In binary language, each letter of the alphabet, each number, and each special character is made up of a unique combination of _____.

- A) eight bytes
- B) eight kilobytes
- C) eight characters
- D) eight bits

Answer: D

Diff: 2

Section Ref: Bits and Bytes: The Language of Computers

13) A _____ is approximately 1 billion bytes.

- A) kilobyte
- B) bit
- C) gigabyte
- D) megabyte

Answer: C

Diff: 2

Section Ref: Bits and Bytes: The Language of Computers

14) A _____ is approximately 1 million bytes.

- A) gigabyte
- B) kilobyte
- C) megabyte
- D) terabyte

Answer: C

Diff: 2

Section Ref: Bits and Bytes: The Language of Computers

15) _____ software is the set of programs that enables the computer's hardware devices and application software to work together.

- A) Utility
- B) Binary
- C) System
- D) Application

Answer: C

Diff: 2

Section Ref: Bits and Bytes: The Language of Computers

16) Any computer parts that you can actually touch are considered to be _____.

- A) hardware
- B) software
- C) systems
- D) platforms

Answer: A

Diff: 1

Section Ref: Bits and Bytes: The Language of Computers

17) _____ computers are specially designed computer chips that reside inside other devices such as your car or the electronic thermostat in your home.

- A) Mainframe
- B) Desktop
- C) Embedded
- D) Internal

Answer: C

Diff: 2

Section Ref: Types of Computers

18) All the following are examples of input devices EXCEPT a _____.

- A) scanner
- B) mouse
- C) keyboard
- D) printer

Answer: D

Diff: 1

Section Ref: Input Devices

19) A _____ was the first devices with touch screen capabilities.

- A) Tablet PC
- B) notebook
- C) Pocket PC
- D) desktop

Answer: A

Diff: 2

Section Ref: Touch Screens

20) Devices such as monitors and printers that are connected to the computer are called _____.

- A) processing devices
- B) system devices
- C) peripheral devices
- D) input devices

Answer: C

Diff: 1

Section Ref: Types of Computers

21) A(n) _____ is a device that looks like a skinny pen but has no ink.

- A) joystick
- B) e-pen
- C) pointer
- D) stylus

Answer: D

Diff: 1

Section Ref: Input Devices

22) A(n) _____ enables you to enter data (text, images, and sound) and instructions (user responses and commands) into the computer.

- A) system unit
- B) output device
- C) motherboard
- D) input device

Answer: D

Diff: 2

Section Ref: Input Devices

23) The _____ is used in combination with other keys to perform shortcuts and special tasks.

- A) Toggle key
- B) Function key
- C) Control (Ctrl) key
- D) Windows key

Answer: C

Diff: 2

Section Ref: Keyboards

24) _____ are shortcut keys that you press to perform special tasks; each software application has its own set of tasks assigned to these keys.

- A) Alt keys
- B) Function keys
- C) Control (Ctrl) keys
- D) Windows keys

Answer: B

Diff: 2

Section Ref: Keyboards

25) _____ microphones pick up sound from only one direction.

- A) Magnetically shielded
- B) Wireless
- C) Unidirectional
- D) Omnidirectional

Answer: C

Diff: 1

Section Ref: Sound Input

26) Monitor screen grids are made up of millions of pixels, with each pixel containing _____ subpixels of colors.

- A) two
- B) three
- C) five
- D) six

Answer: B

Diff: 2

Section Ref: Monitors

27) The small, touch-sensitive area at the base of the keyboard on a notebook computer is known as a _____.

- A) stylus
- B) touch pad
- C) game control
- D) trackball

Answer: B

Diff: 1

Section Ref: Mice and Other Pointing Devices

28) The term _____ describes computing devices or peripherals that use techniques, parts, and methods from an earlier time that are no longer popular.

- A) legacy technology
- B) outdated technology
- C) outmoded technology
- D) degraded technology

Answer: A

Diff: 2

Section Ref: Monitors

29) _____ printers have tiny hammerlike keys that strike the paper through an inked ribbon.

- A) Inkjet
- B) Impact
- C) Nonimpact
- D) Laser

Answer: B

Diff: 1

Section Ref: Printers

30) Restarting a computer when it is already powered on is called _____.

- A) hibernation
- B) standby mode
- C) a warm boot
- D) a cold boot

Answer: C

Diff: 3

Section Ref: Power Controls

31) Inkjet printers and laser printers are examples of _____ printers.

- A) nonimpact
- B) impact
- C) dot-matrix
- D) thermal

Answer: A

Diff: 2

Section Ref: Printers

32) The _____, housed inside the system unit, transforms the wall voltage to the voltages required by the computer chips.

- A) motherboard
- B) CPU
- C) RAM
- D) power supply

Answer: D

Diff: 2

Section Ref: Power Controls

33) Flash drives plug into a(n) _____.

- A) USB port
- B) serial port
- C) expansion slot
- D) drive bay

Answer: A

Diff: 2

Section Ref: Flash Storage

34) _____ is a power mode that allows the computer to save an image of the desktop to the hard drive and enter a state of reduced power consumption to save energy.

- A) Standby
- B) Sleep
- C) Hibernate
- D) Cool down

Answer: C

Diff: 3

Section Ref: Power Controls

35) _____ ports are now the most common ports for connecting input and output devices to the computer.

- A) Universal serial bus (USB)
- B) Serial
- C) Parallel
- D) FireWire

Answer: A

Diff: 2

Section Ref: High-Speed and Data Transfer Ports

36) The hard drive is a _____ storage device, meaning that it stores data permanently even when the computer is turned off.

- A) random
- B) volatile
- C) temporary
- D) nonvolatile

Answer: D

Diff: 2

Section Ref: Hard Drives

37) A(n) _____ is where a peripheral device can attach to a computer so that data can be exchanged between it and the operating system.

- A) port
- B) drive
- C) slot
- D) expansion bus

Answer: A

Diff: 2

Section Ref: Connecting Peripherals to the Computer

38) _____ plug into slots on the motherboard and provide additional functionality for your computer.

- A) Ports
- B) Expansion cards
- C) USB devices
- D) Drive bays

Answer: B

Diff: 2

Section Ref: Processing and Memory on the Motherboard

39) USB ports are fast replacing traditional _____ ports because of their ability to transfer data quickly.

- A) parallel and serial
- B) Ethernet and speaker
- C) video and audio
- D) monitor and modem

Answer: A

Diff: 2

Section Ref: High-Speed and Data Transfer Ports

40) _____ are a form of permanent storage that can be seen and accessed from outside the system unit and are typically used for CD and DVD drives.

- A) Jump drives
- B) Flash drives
- C) External drive bays
- D) Hard drives

Answer: C

Diff: 2

Section Ref: Storing Data and Information

41) The S-video and the _____ ports on a computer facilitate connecting the computer to multimedia devices such as TVs and DVD players.

- A) AVI
- B) DVI
- C) USB
- D) parallel

Answer: B

Diff: 3

Section Ref: Connectivity and Multimedia Ports

42) A _____ enables your computer to connect to other computers or to the Internet.

- A) video card
- B) network interface card (NIC)
- C) sound card
- D) controller card

Answer: B

Diff: 2

Section Ref: Processing and Memory on the Motherboard

43) _____ is the place in a computer where the programs and data the computer is currently using are stored.

- A) RAM
- B) ROM
- C) The CPU
- D) The power supply

Answer: A

Diff: 2

Section Ref: Memory

44) Large, expensive computers that support hundreds of users simultaneously are called _____.

- A) supercomputers
- B) maxicomputers
- C) mainframes
- D) powercomputers

Answer: C

Diff: 1

Section Ref: Your Computer's Hardware

45) _____ is a form of permanent memory that holds all the instructions the computer needs to start up.

- A) RAM
- B) ROM
- C) The CPU
- D) The NIC

Answer: B

Diff: 3

Section Ref: Memory

46) New technologies pushing the boundaries of printing include _____.

- A) cloud printing
- B) inkless printing
- C) 3D printing
- D) all of the above

Answer: D

Diff: 1

Section Ref: Trends in IT: Innovations in Printing

47) _____ is the applied science concerned with designing and arranging things that people use so that the people and things interact most efficiently and safely.

- A) Ergonomics
- B) Positioning
- C) Occupational safety
- D) Repetitive strain prevention

Answer: A

Diff: 2

Section Ref: Setting It All Up

48) RAM is considered volatile storage, which means it is _____.

- A) permanent
- B) random
- C) read-only
- D) temporary

Answer: D

Diff: 2

Section Ref: Memory

49) The _____ keyboard is an alternative keyboard layout that puts the most commonly used letters in the middle row of the keyboard.

Answer: Dvorak

Diff: 1

Section Ref: Keyboards

50) _____ is data that has been organized or presented in a meaningful fashion.

Answer: Information

Diff: 1

Section Ref: Computers Are Data Processing Devices

51) Computers are very good at manipulating or organizing data into information, also referred to as _____.

Answer: processing

Diff: 1

Section Ref: Computers Are Data Processing Devices

52) _____ is a representation of a fact, a figure, or an idea and can be a number, a word, a picture, or even a recording of sound.

Answer: Data

Diff: 1

Section Ref: Computers Are Data Processing Devices

53) Multifunction printers are also referred to as _____ printers.

Answer: all-in-one

Diff: 1

Section Ref: Printers

54) _____ is a beta service that enables any application on any device to print to any printer.

Answer: Google Cloud Print

Diff: 2

Section Ref: Trends in IT: Innovations in Printing

55) _____ software is a set of programs that enables your computer's hardware devices and application software to work together.

Answer: System

Diff: 2

Section Ref: Bits and Bytes: The Language of Computers

56) The _____ language uses the digits 0 and 1 and is understood by computers.

Answer: binary

Diff: 2

Section Ref: Bits and Bytes: The Language of Computers

57) _____ bits equal one byte.

Answer: Eight

Diff: 2

Section Ref: Bits and Bytes: The Language of Computers

58) _____ printing systems store the ink in the paper.

Answer: Inkless

Diff: 1

Section Ref: Trends in IT: Innovations in Printing

59) GB stands for _____.

Answer: gigabyte

Diff: 1

Section Ref: Bits and Bytes: The Language of Computers

60) A(n) _____ is approximately 1,024 bytes.

Answer: kilobyte

Diff: 1

Section Ref: Bits and Bytes: The Language of Computers

61) _____ describes the relationship between the varying levels of brightness that a monitor can display.

Answer: Gamma

Diff: 2

Section Ref: Testing and Calibrating Your PC Monitor

62) _____ devices, such as monitors, modems, and printers, are externally connected to the computer.

Answer: Peripheral

Diff: 2

Section Ref: Types of Computers

63) The three basic systems used to recognize a person's touch are _____, _____, and _____.

Answer: resistive, capacitive, surface acoustic wave
resistive, surface acoustic wave, capacitive
capacitive, resistive, surface acoustic wave
capacitive, surface acoustic wave, resistive
surface acoustic wave, capacitive, resistive
surface acoustic wave, resistive, capacitive,

Diff: 2

Section Ref: How Touch Screens Work

64) The _____ is the metal or plastic case that houses the power source and all storage devices of the computer.

Answer: system unit

Diff: 2

Section Ref: Processing and Memory on the Motherboard

65) _____ software helps you perform specific tasks on the computer, such as writing a research paper.

Answer: Application

Diff: 2

Section Ref: Bits and Bytes: The Language of Computers

66) The _____ keyboard layout gets its name from the first six letters in the top left row of alphabetic keys on the keyboard and is the standard English-language keyboard layout.

Answer: QWERTY

Diff: 1

Section Ref: Keyboards

67) _____ displays do not require a backlight to function and draw less power.

Answer: Organic light-emitting diode

OLED

Diff: 1

Section Ref: Monitors

68) The _____ pulls up a magnification box that can be dragged around the screen to enhance the viewing of hard-to-read-images.

Answer: magnifier

Diff: 1

Section Ref: Mice and Other Pointing Devices

69) _____ make it possible to transmit live video over the Web and often are used to facilitate video conferencing.

Answer: Webcams

Diff: 3

Section Ref: Image Input

70) _____ microphones pick up sounds coming from all directions at once and are best used for conference calls or when you need to pick up the voices of multiple speakers.

Answer: Omnidirectional

Diff: 2

Section Ref: Sound Input

71) With a(n) _____, you control the position of the cursor by moving your finger over a special area at the base of the keyboard.

Answer: touch pad

Diff: 1

Section Ref: Mice and Other Pointing Devices

72) Monitors display images by using a grid made up of millions of tiny dots, called _____.

Answer: pixels

Diff: 2

Section Ref: Monitors

73) A printer's _____ is measured in dots per inch.

Answer: resolution

Diff: 2

Section Ref: Printers

74) _____ is a measure of the greatest amount of light showing when the monitor is displaying pure white.

Answer: Brightness

Diff: 3

Section Ref: Monitors

75) A(n) _____ is a device that combines the functions of a printer, scanner, copier, and fax into one machine.

Answer: all-in-one printer

Diff: 2

Section Ref: Printers

76) _____ deals with such things as positioning your monitor and wrists correctly when working at the computer to prevent injury.

Answer: Ergonomics

Diff: 2

Section Ref: Setting It All Up

77) _____ drives, sometimes referred to as jump drives or thumb drives, are a newer alternative for storing portable data.

Answer: Flash

Diff: 1

Section Ref: Flash Storage

78) A(n) _____ drive reads from, and possibly writes to, CDs, DVDs, or Blu-ray discs.

Answer: optical

Diff: 2

Section Ref: Optical Storage

79) _____ are devices used to display images from your computer on a separate viewing surface, such as a wall or movie screen.

Answer: Projectors

Diff: 2

Section Ref: Monitors

80) If you do not have any open expansion slots on your motherboard, you can add a(n) _____ to provide new ports.

Answer: expansion hub

Diff: 3

Section Ref: Adding Ports: Expansion Cards and Hubs

81) _____ is a power-saving mode that stores your data in memory and saves it to your computer's hard disk.

Answer: Hibernate

Diff: 2

Section Ref: Power Controls

82) When a computer is in _____, all documents, applications, and data remain in RAM.

Answer: Sleep mode

Diff: 3

Section Ref: Power Controls

83) The four main functions of a computer are inputting data, processing data, outputting the data or information, and communicating the data or information.

Answer: FALSE

Diff: 3

Section Ref: Computers Are Data Processing Devices

84) The operating system provides the means for users to interact with a computer.

Answer: TRUE

Diff: 1

Section Ref: Bits and Bytes: The Language of Computers

85) An alternative to the QWERTY keyboard is the virtual keyboard.

Answer: FALSE

Diff: 1

Section Ref: Keyboards

86) Some keyboards allow you to program a series of tasks and associate that series of tasks with a specific keystroke.

Answer: TRUE

Diff: 3

Section Ref: Keyboards

87) One bit is equal to eight bytes.

Answer: FALSE

Diff: 1

Section Ref: Bits and Bytes: The Language of Computers

88) Thermal printers are specialty printers that melt wax-based ink onto ordinary paper or burn dots onto specially coated paper.

Answer: TRUE

Diff: 2

Section Ref: Printers

89) When performing data entry, you cannot use the numeric keypad on your keyboard to enter numeric values.

Answer: FALSE

Diff: 1

Section Ref: Keyboards

90) The Windows key on a keyboard is specific to the Windows operating system.

Answer: TRUE

Diff: 3

Section Ref: Keyboards

91) On a keyboard, Num Lock and Caps Lock are both toggle keys.

Answer: TRUE

Diff: 1

Section Ref: Keyboards

92) Light-emitting diode technology uses organic compounds that produce light when exposed to an electric current.

Answer: FALSE

Diff: 2

Section Ref: Monitors

93) When toggled off, the Insert key replaces or overwrites existing characters with new characters as you type.

Answer: TRUE

Diff: 2

Section Ref: Keyboards

94) Computer users who have repetitive strain injuries to a Dvorak keyboard layout.

Answer: TRUE

Diff: 2

Section Ref: Keyboards

95) Modern printers feature Bluetooth connectivity technology.

Answer: TRUE

Diff: 1

Section Ref: Printers

96) An expansion hub allows you to provide new, external ports to your computer.

Answer: TRUE

Diff: 1

Section Ref: Adding Ports: Expansion Cards and Hubs

97) The central processing unit controls all the functions performed by the computer's other components and processes all the commands issued to it by software instructions.

Answer: TRUE

Diff: 2

Section Ref: Processing

98) Mainframes are used in situations where complex models requiring intensive mathematical calculations are needed.

Answer: FALSE

Diff: 2

Section Ref: Types of Computers

99) Digital cameras, camcorders, and webcams are common devices for capturing pictures and video and are all considered output devices.

Answer: FALSE

Diff: 2

Section Ref: Image Input

100) When using Windows 7 power management tools, you really only need to shut down your computer when you need to repair the system, install hardware, or move the system.

Answer: TRUE

Diff: 2

Section Ref: Power Controls

101) Restarting the computer while it's powered on is called a cold boot.

Answer: FALSE

Diff: 2

Section Ref: Power Controls

102) Embedded computers have their own programming. They typically do not receive input from you, nor do they interact with other systems.

Answer: TRUE

Diff: 3

Section Ref: Types of Computers

103) Brightness determines how lighter colors appear on the display.

Answer: FALSE

Diff: 2

Section Ref: Testing and Calibrating Your PC Monitor

104) Speakers connect to the VGA port.

Answer: FALSE

Diff: 3

Section Ref: Processing and Memory on the Motherboard

105) External hard drives are often used to back up data that is contained on the internal hard drive.

Answer: TRUE

Diff: 1

Section Ref: Hard Drives

106) USB ports are causing serial and parallel ports to become legacy technology.

Answer: TRUE

Diff: 2

Section Ref: High-Speed and Data Transfer Ports

107) Serial ports and parallel ports have long been used to connect input and output devices to the computer.

Answer: TRUE

Diff: 1

Section Ref: High-Speed and Data Transfer Ports

108) LED displays run longer on a single battery charge than do OLEDs.

Answer: FALSE

Diff: 3

Section Ref: Monitors

109) Match the following terms to their meaning.

- | | |
|-----------|--|
| I. CPU | A. type of technology used on flat-screen monitors |
| II. RAM | B. standard keyboard layout |
| III. ROM | C. stores programs and data the computer is currently using |
| IV. LCD | D. processes all commands issued by software instructions |
| V. QWERTY | E. holds instructions needed to start up when the computer is powered on |

Answer: D, C, E, A, B

Diff: 2

Section Ref: Multiple locations in the chapter

110) Match the following terms to their meaning.

- | | |
|------------------|--|
| I. data | A. representation of a fact, figure, or idea |
| II. processing | B. data organized in a meaningful way |
| III. information | C. parts of the computer you can touch |
| IV. software | D. turning data into information |
| V. hardware | E. computer programs |

Answer: A, D, B, E, C

Diff: 1

Section Ref: Multiple locations in the chapter

111) Match the following terms to their meaning.

- | | |
|---------------|--------------------|
| I. byte | A. 1 million bytes |
| II. megabyte | B. 1,000 bytes |
| III. kilobyte | C. 1 billion bytes |
| IV. gigabyte | D. 8 bits |
| V. bit | E. 0 or 1 |

Answer: D, A, B, C, E

Diff: 2

Section Ref: Multiple locations in the chapter

112) Match the following terms to their meaning.

- | | |
|-----------------------|---|
| I. input device | A. device used to enter data |
| II. peripheral device | B. device that sends processed data |
| III. output device | C. contains the central electronic components of a computer |
| IV. motherboard | D. external device that exchanges data with the computer through ports |
| V. system unit | E. the metal or plastic case that houses the power source and all the storage devices of a computer |

Answer: A, D, B, C, E

Diff: 2

Section Ref: Multiple locations in the chapter

113) Match the following terms to their meaning.

- | | |
|-----------------|---|
| I. pixel | A. measurement of printing speed |
| II. hertz | B. unit of measure for processor speed |
| III. resolution | C. tiny dot that creates an image on the computer monitor |
| IV. ppm | D. measurement of printer resolution |
| V. dpi | E. the clearness or sharpness of an image |

Answer: C, B, E, A, D

Diff: 1

Section Ref: Multiple locations in the chapter