1. Reviewing the Basics
2. List six types of video ports.

Answer:

1. Which is faster, a Hi-Speed USB port or a SuperSpeed USB port?

Answer:

1. What type of output does an S/PDIF port provide?

Answer:

1. What is the purpose of an expansion slot on a motherboard?

Answer:

1. What should be the setting for a dual-voltage selector switch on a power supply when using the computer in the United States?

Answer:

1. How is the best way to determine if a cable inside a computer is a data and instruction cable or a power cable?

Answer:

1. What technology standard is commonly used today for hard drives to interface with the motherboard in a system?

Answer:

1. How many pins did the first P1 power connector to the motherboard have that was used with the original ATX?

Answer:

1. What type of expansion slot requires extra power so that 4 more pins had to be added to the older 20-pin P1 power connector on the motherboard?

Answer:

1. What device might require extra power so that it uses the 12V 6-pin power connector? In what two locations might you find the connector?

Answer:

1. What is the purpose of the 4-pin auxiliary connector on a motherboard?

Answer:

1. What is the purpose of the 4-pin Molex connector?

Answer:

1. Why are laptops usually more expensive than desktop computers with comparable power and features?

Answer:

1. What type of bus is used by ExpressCard slots?

Answer:

1. Which port do you use to connect a docking station to a laptop?

Answer:

1. What type of memory module is used in a desktop computer? laptop?

Answer:

1. What wireless technology is used when two smart phones in close proximity exchange contact information?

Answer:

1. Which tool can a computer hardware technician use when taking apart a computer to best protect computer components against ESD?

Answer:

1. What is the purpose of a POST diagnostic card?

Answer:

1. What are the three purposes accomplished by the motherboard BIOS?

Answer:

Thinking Critically

1. You purchase a new desktop computer that does not have wireless capability, and then you decide that you want to use a wireless connection to the Internet. What are the least expensive ways (pick two) to upgrade your system to wireless?
   1. Trade in the computer for another computer that has wireless installed
   2. Purchase a second computer that has wireless
   3. Purchase a wireless expansion card and install it in your system
   4. Purchase a USB wireless adapter and connect it to the computer by way of a USB port

Answers:

1. What type of computer is likely to use SO-DIMMs, have an internal power supply, and use a desktop processor socket?

Answer:

1. A friend asks you for help in determining the best product to buy: a laptop, tablet, or smart phone. She is a paralegal and spends a lot of time at the courthouse researching real estate titles. She wants a device to take notes with as she works. List three questions you would ask her to help her make her decision.

Answers may vary. Possible answers:

1. When troubleshooting a computer hardware problem, which tool might help with each of the following problems?
   1. You suspect the network port on a computer is not functioning.
   2. The system fails at the beginning of the boot and nothing appears on the screen.
   3. A hard drive is not working and you suspect the Molex power connector from the power supply might be the source of the problem.

Answers: