

# 5.1.5 Lesson Review

Date: 11/23/2025, 3:31:13 PM

Time Spent: 03:32

Score: 100%

Passing Score: 80%

## Question 1

✓ Correct

Which of the following features is typically included in a datacenter to ensure a high level of availability?

- ☐ Gaming equipment
- ☐ Basic electrical service
- ☐ Retail facilities

☒ Climate control ✓ Correct

### Explanation

Datacenters include climate control to maintain optimal temperatures and protect hardware. Gaming equipment is irrelevant to datacenter operations. Datacenters require dedicated, specialized power solutions instead of basic service. Retail facilities are unrelated to datacenter functions.

### Related Content

resources\questions\q\_net\_type\_datacenter\_availability.question.xml

## Question 2

✔ Correct

What is an example of a common PAN technology?

- ☐ Ethernet
- ☒ Bluetooth ✓ Correct
- ☐ Fiber optic
- ☐ Wi-Fi

**Explanation**

Bluetooth is commonly used in Personal Area Networks (PANs), connecting devices over a short range. Ethernet and fiber optic are more suited for LAN or WAN connections, while Wi-Fi is more common for wireless LANs, not PANs.

**Related Content**

5.1.1 LANs and WANs

resources\questions\q\_net\_type\_pan\_tech.question.xml

## Question 3

✓ Correct

Which device is responsible for forwarding traffic between networks?

- ☐ Network interface
- ☒ Router ✓ Correct
- ☐ Access point
- ☐ Switch

**Explanation**

Routers are used to connect multiple networks together. When sending data between networks, the router is responsible for forwarding the data to the proper network.

Switches are used to connect multiple computers inside of a network together. They do not forward data to other networks.

Access points are used to connect wireless network hosts. They do not forward data to other networks.

The network interface (NIC) converts the digital data into a signal that can be transmitted along the transmission medium. They do not forward data to other networks.

**Related Content**

resources\questions\q\_net\_type\_router\_def.question.xml

## Question 4

✓ Correct

Which type of network is best suited for a company that operates across multiple locations in a city?

☐ WLAN☐ PAN☐ LAN☒ MAN ✓ Correct**Explanation**

A MAN (Metropolitan Area Network) is ideal for a company with networks spread across multiple locations in a single city, as it bridges the gap between local LANs and broader WANs. LANs are restricted to a single site, PANs cover very small areas, and WLANs are limited to local, often indoor, wireless communication.

**Related Content**

5.1.1 LANs and WANs

resources\questions\q\_net\_type\_multiple\_locations.question.xml

## Question 5

✔ Correct

Which of the following is a characteristic of most private or enterprise WANs?

- ☐ Utilizes Bluetooth for data transfer
- ☒ Uses equipment leased from an ISP ✓ Correct
- ☐ Only operates within a single building
- ☐ Consists solely of wireless connections

**Explanation**

Most private or enterprise WANs use equipment and cabling leased from an ISP to connect LANs across multiple locations. WANs can operate over wide areas, unlike LANs, and do not rely solely on wireless or Bluetooth connections, as these are impractical for long distances.

**Related Content**

5.1.1 LANs and WANs

resources\questions\q\_net\_type\_wan\_characteristics.question.xml