

# 5

## Networking

### Get ready!

1 Before you read the passage, talk about these questions.

- 1 What are some components of a computer network?
- 2 How does a computer network help a business?

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### Solutions for Networking

#### Network Troubleshooting

People often call IT professionals about **network** connection problems. But many problems are easy to fix without help. First, reconnect any loose **CAT-5** cable connections. Next, investigate **IP address** issues. This group of numbers allows communication on the **Internet**. Renewing your **DHCP** fixes most IP problems. Next, check the **router**. The router links **LANs** to the Internet. Make sure the router's **configuration** is correct. **WLANs** have other problems. Interference often blocks their wireless signals. But there is a simple solution. Just move the router away from walls and metals. Finally, **cycle** the network. Turn all equipment off for a full minute and then restart.



### Reading

2 Read the article about networks. Then, choose the correct answers.

- 1 What is the main idea of the passage?
  - A how to set up a network
  - B correcting network problems
  - C choosing network equipment
  - D a comparison of LANs and WLANs
- 2 What can you infer from the passage?
  - A A computer is not functioning during a cycle.
  - B LAN routers do not work well near walls or metals.
  - C Interference impacts a router's configuration.
  - D Renewing an IP address fixes DHCP errors.
- 3 According to the passage, a LAN \_\_\_\_\_.
  - A assigns IP addresses
  - B requires a router
  - C links CAT-5 cables
  - D cycles a network

### Vocabulary

3 Fill in the blanks with the correct words or phrases from the word bank.

#### Word BANK

DHCP CAT-5 cable router network  
cycle WLAN Internet configuration

- 1 The \_\_\_\_\_ lets a network connect to the Internet.
- 2 A LAN is a type of \_\_\_\_\_.
- 3 Businesses communicate on the \_\_\_\_\_.
- 4 We do not use cables for our network. We have a \_\_\_\_\_.
- 5 Routers need a correct \_\_\_\_\_ to work properly.
- 6 Businesses with a LAN use \_\_\_\_\_ to connect computers.
- 7 It is sometimes necessary to \_\_\_\_\_ a network to make it work.
- 8 The \_\_\_\_\_ provides different IP addresses for computers.

**4 Choose the best definition for each word.**

1 router

- A** a part of a computer      **C** a networking device  
**B** a wireless network

2 IP address

- A** a city-wide network      **C** a networking device  
**B** an identification number

3 LAN

- A** a local network      **C** a wireless network  
**B** a networking device

**5**  **Listen and read the article about networks again. What could help a user having problems with an IP address?**

## Listening

**6**  **Listen to an IT professional talking with a customer about setting up a network. Choose the correct answers.**

1 What does the woman want to buy?

- A** a LAN      **C** a router  
**B** a WLAN      **D** a CAT-5 cable

2 Why does the woman choose a wireless network?

- A** She does not have CAT-5 cables.  
**B** Her computers are not close to each other.  
**C** She does not like her present network.  
**D** Her router doesn't support a LAN.

**7**  **Listen again and complete the conversation.**

**IT Professional:** Hi. Can I help you find something?

**Customer:** Oh, please. I need a **1** \_\_\_\_\_.

**IT Professional:** Well, there are a few types. What kind of **2** \_\_\_\_\_ do you have?

**Customer:** I don't have one yet, but it's for the computers in my home.

**IT Professional:** Do you want a LAN or a WLAN? Some routers don't **3** \_\_\_\_\_ both types.

**Customer:** What's the difference?

**IT Professional:** A WLAN connects computers wirelessly. A LAN **4** \_\_\_\_\_ with CAT-5 cables.

**Customer:** My computers are far **5** \_\_\_\_\_. I'd need a WLAN.