

## UNIT 8: Radio Frequencies (II)

### VOCABULARY

1. Write a word or phrase that is similar in meaning to the underlined part.

- 1) The students visited the location of the tower where radio waves are transmitted.  
( \_ s \_ ) ( \_ t \_ \_ \_ o \_ ):
- 2) A mobile phone is a device that can transmit and receive radio frequencies.  
( t \_ \_ n \_ c \_ \_ \_ e \_ ):
- 3) The problem was related to one particular area, so technicians focused on the cell sites in that location.  
( r \_ \_ \_ \_ o n \_ \_ ):

### LISTENING

2. Listen to a conversation between two technicians. Choose the correct answers.

1) What is the purpose of the conversation?

- A to debate the effectiveness of a system
- B to discuss possible causes of a problem
- C to explain the components in a system
- D to describe the differences between networks

2) What is the man likely to do next?

- A alert the public to switch telephone network
- B contact technicians at the radio base station
- C check the outage database
- D send a report to other carriers

3) How many cells are affected by the problem?

- A three
- B four
- C five
- D several dozen

3. Listen and complete the dialogue

**Technician 1:** Hey, Tim. I'm still (1) \_\_\_\_\_ into this network connection problem.

**Technician 2:** What do you think the cause of the problem is?

T1: Well, I'm not altogether sure. It looks like the (2) \_\_\_\_\_ across multiple cells, right?

T2: Yes, that's correct. There are five cells experiencing the (3) \_\_\_\_\_ problem.

T1: Then, it's probably not the (4) \_\_\_\_\_ station.

T2: You're right. It's very unlikely that (5) \_\_\_\_\_ cells have the same base station problem.

T1: It must be a problem at the (6) \_\_\_\_\_, then.

T2: Could it be a problem with the (7) \_\_\_\_\_?

T1: I don't think so. I talked with some technicians from other (8) \_\_\_\_\_.

T2: And they didn't have any problems today?

T1: No. Just us.

T2: Then, you must be right. It seems like a problem with the MSC. I'll check the (9) \_\_\_\_\_ database now.

T1: Let me know what you find.

**4. Use the conversation from Task 8 to fill out the troubleshooting report.**

<p><b>TROUBLESHOOTING – Radio frequencies report</b></p> <p><b>Date:</b> August 30 <b>Technician:</b> Reginald Culler <b>Type of Problem:</b> Network _____ Problem</p> <p>I discovered that our carrier is the only one _____.</p> <p>That means it cannot be a problem with the Public Switched Telephone Network.</p> <p>I thought the problem might be with the transfer of _____ in the handover protocol. Our customers can uplink to the _____ station.</p> <p>However, they cannot complete the call.</p> <p>In my opinion, the source of the network connection problem is the Mobile Switching Center. Since there are several _____ stations with the same _____, it cannot be a _____ station problem. The _____ must be with the _____.</p>
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