



Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class: \_\_\_\_\_

## Sum It Up!

When you're done, use the answer key to check and revise your work.

Fill in the missing words to complete the conversation.

### Summarize

- Rebecca: Ow! How did my cell phone get so hot?
- Abdullah: Well, there are (1) three ways that heat could have moved into your phone.
- Rebecca: I know. If it had been sitting in sunlight, I'd know it was heated through (2) radiation. But it was in the shade.
- Abdullah: Well, there's also convection.
- Rebecca: Yeah, but that only happens within (3) liquids and (4) gases. My phone's a solid.
- Abdullah: Then it must have been the third way: (5) conduction.
- Rebecca: But that only happens when two things are (6) touching each other. My phone was sitting by itself.
- Abdullah: Where?
- Rebecca: On top of my laptop.
- Abdullah: In that case, heat traveled into your phone through (7) conduction.
- Rebecca: Really? How does it do that?
- Abdullah: Heat moves from warm objects to (8) cool objects. Your laptop was probably much warmer than your cell phone.
- Rebecca: Maybe I'll leave it on my wooden desk from now on!

