

Unit 5

Vocabulary **Extend** Worksheet 2.5.2

1 Read. Which words make sense together? Circle all the correct letters for each item.

1. adapt

- ☒ a. to a situation ☒ b. your behavior c. a scientist ☒ d. to a location

2. lack of

- a. light b. oxygen c. temperature d. outer space

3. typical

- a. location b. Earth c. organism d. month

4. harsh

- a. place b. sound c. distance d. journey

5. remarkable

- a. safety b. story c. experience d. skill

2 Read. Unscramble the correct word in the list and write it on the line.

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1. Camels can tolerate extremely hot temperatures in the Sahara Desert.
2. The giant tubeworm is a _____ that lives near hydrothermal vents deep beneath the surface of the sea.
3. Despite the very high _____ of salt in the Dead Sea, some _____ of microbes live there.
4. Do you think that life might _____ on other planets in our solar system?
5. Extremophiles can _____ living in difficult conditions.

3 Read. Then check **T** for *True* or **F** for *False*.

- | | T | F |
|---|--------------------------|--------------------------|
| 1. Tardigrades can survive in different kinds of extreme environments. | ☐ | ☐ |
| 2. A type of bacteria called <i>Strain 121</i> thrives under the Antarctic ice. | ☐ | ☐ |
| 3. Mammals live in only one kind of environment. | ☐ | ☐ |
| 4. Some deep-sea areas near mid-ocean ridges have high levels of poisonous chemicals. | ☐ | ☐ |

4 Read. Write answers to the questions. Use the words in **bold** in your answers. Then share your answers with a partner.

1. What do scientists hope to learn about the possibility of **life** on other planets by studying different environments on Earth?

2. What kinds of **conditions** can extremophiles survive in?

3. Why do most animals need **oxygen** in order to live?
