

**Key Concept Builder** 

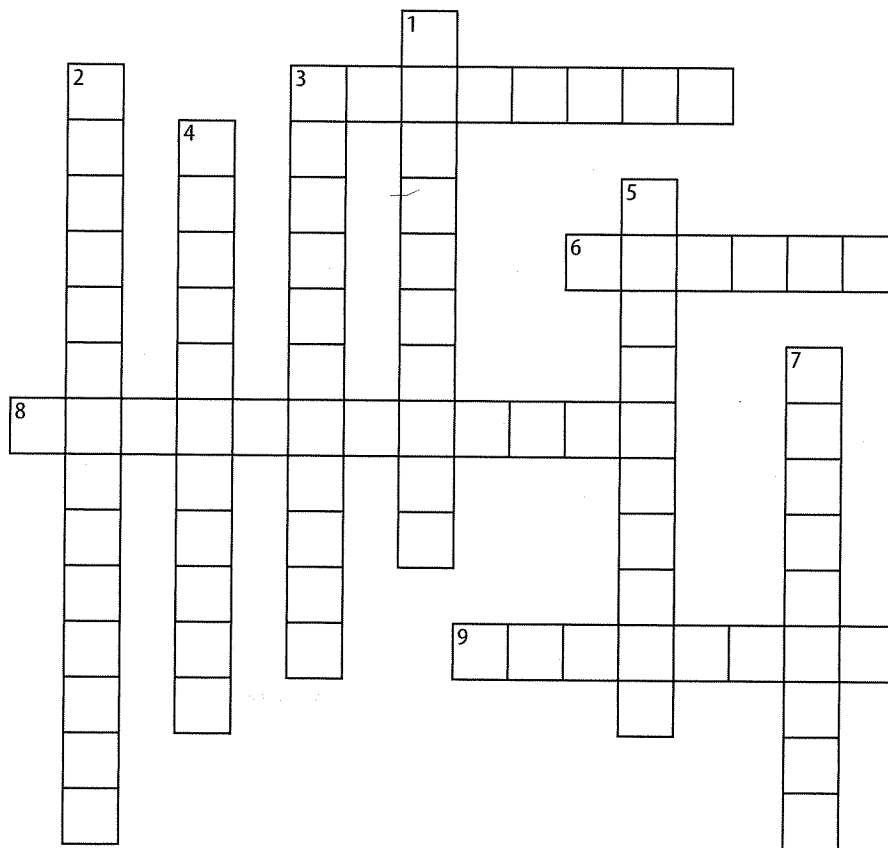
**LESSON 2**

**What are fungi?**

**Key Concept** What are the different types of fungi, and how do they compare?

**Directions:** Use the clues and the terms listed below to complete the puzzle.

- |            |                 |          |            |              |
|------------|-----------------|----------|------------|--------------|
| ascospores | basidiocarp     | basidium | club fungi | heterotrophs |
| hyphae     | imperfect fungi | mycelium | zygospores | zygote fungi |



**Clues**

**Across**

- 3. a structure that produces sexual spores
- 6. structures that absorb nutrients
- 8. organisms that can't make their own food
- 9. a network created by hyphae

**Down**

- 1. spores from sac fungi
- 2. cause athlete's foot
- 3. a mushroom part above ground
- 4. what grows in a damp basement
- 5. what zygosporangia release
- 7. mushroom, as an example

**Key Concept Builder** 

**LESSON 2**

### What are fungi?

**Key Concept** What are lichens?

**Directions:** Complete this student's paragraph by choosing terms from the word bank and writing them in the correct spaces. Each term is used only once.

- |                |       |             |          |        |
|----------------|-------|-------------|----------|--------|
| bacteria       | fungi | green algae | minerals | oxygen |
| photosynthesis | rocks | soil        | sugars   | water  |

### I Like Lichens

A lichen is a combination of two different organisms that grow together.

A lichen consists of a(n) **(1.)** \_\_\_\_\_ that partners with **(2.)** \_\_\_\_\_ or photosynthetic **(3.)** \_\_\_\_\_.

Why would fungi live with algae or bacteria? Both get something from the relationship.

The fungus gets **(4.)** \_\_\_\_\_ and **(5.)** \_\_\_\_\_ from its partner as it carries out **(6.)** \_\_\_\_\_. The alga or bacterium gets **(7.)** \_\_\_\_\_ and **(8.)** \_\_\_\_\_ from the fungus.

It's a perfect relationship! Together, this pair can grow on **(9.)** \_\_\_\_\_, creating **(10.)** \_\_\_\_\_ where there was none.