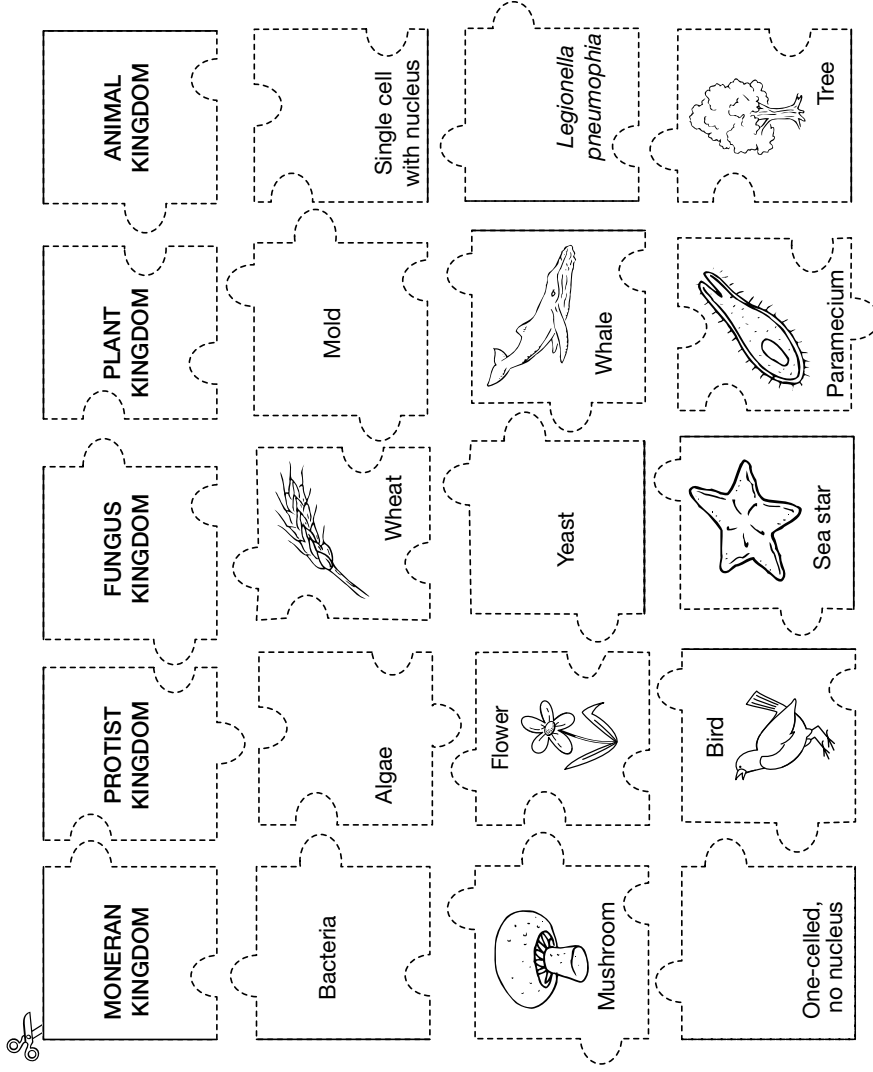


Name \_\_\_\_\_ Date \_\_\_\_\_

Use with Unit A, Chapter 1.

# Classification Puzzle



A 4x5 grid of puzzle pieces with dashed outlines and interlocking edges. A small scissors icon is at the top left. The pieces are arranged as follows:

MONERAN KINGDOM	PROTIST KINGDOM	FUNGUS KINGDOM	PLANT KINGDOM	ANIMAL KINGDOM
Bacteria	Algae	Wheat	Mold	Single cell with nucleus
Mushroom	Flower	Yeast	Whale	<i>Legionella pneumophila</i>
One-celled, no nucleus	Bird	Sea star	Paramecium	Tree



**Notes for Home** Your child has classified examples of living organisms into the five major kingdoms.  
**Home Activity:** Look through a magazine and ask your child to name the kingdom shown in pictures.

## Using Interactive Transparency 1

### Big Idea

All living things can be classified into one of the five kingdoms—moneran, protist, fungus, plant, and animal.

### Science Background

The major classification systems for living things has changed over time because of new information and better technology. Students should expect further refinements in their lifetimes.

### Glossary

bacteria	protist	amoeba
paramecium	moneran	kingdom
nucleus		

### ESL/ELD

#### Hands-On Activity

Have students choose one of the five kingdoms and collect pictures from magazine that exemplify the kingdom each selected. Children can compare pictures and make a joint list of the examples of their kingdom. They might “elect” a king, or leader, for their kingdom choosing one of their pictures to represent the entire group.

### Cooperative Learning

Organize students into five groups, each representing one of the major kingdoms. Taking an example of their kingdom from the completed *Life is a Puzzle* activity, students should find out how that life-form gets its food. They could prepare a short “menu” for that life form and display it for the group.

### Teach and Apply

**1** Make a copy of the transparency for each student. Let students use their own copy as the lesson develops.

**2** Have students paste their copy of the *Life is a Puzzle* to the back of a piece of cardboard or stiff construction paper. Then ask students to carefully cut out each of the puzzle pieces. Tell them that to make the puzzle fit together, they should be especially careful about cutting around the puzzle notches.

**3** Explain that the completed puzzle will provide examples of each of the five kingdoms. If they need help, tell students that the top row of the puzzle includes the words for each of the kingdoms—Moneran, Protist, Fungus, Plant and Animal. Use the transparency to show them the order of the top row and point out the shape of each kingdom puzzle piece. You might tell students that all Moneran puzzle pieces will have the same shape and will fit along one edge of the puzzle.

■ Students can work independently or in pairs. When students have completed the puzzle, you can reinforce the classification process by writing the kingdoms on the chalkboard. Explain that all the words and pictures under each correctly completed Kingdom are example of that Kingdom.

■ Have students help fill out the classification chart you have started on the chalkboard by reading the words under each kingdom.

■ Invite students to name other examples for any of the kingdoms. They will probably be able to name more plants and animals.

**7** Encourage students to speculate on the quantity of life-forms within each kingdom.

# Classification Puzzle

Interactive  
Transparency

1

Use with Unit A, Chapter 1.

**1** Give a copy of the transparency to each student.

**2** Have students paste their copy to cardboard or stiff paper. Cut apart each puzzle piece.

**3** All Moneran pieces will fit vertically under the Moneran label.

Name \_\_\_\_\_ Date \_\_\_\_\_

**Interactive Transparency 1**  
Use with Unit A, Chapter 1.

## Classification Puzzle

MONERAN KINGDOM	PROTIST KINGDOM	FUNGUS KINGDOM	PLANT KINGDOM	ANIMAL KINGDOM
Bacteria	Algae	Wheat	Mold	Single cell with nucleus
Mushroom	Flower	Yeast	Whale	Legionella pneumophila
One-celled, no nucleus	Bird	Sea star	Paramecium	Tree

**Answers**  
**Monera: Bacteria; Legionella pneumophila; Single cell, no nucleus**  
**Protist: Algae; Paramecium; Single cell with nucleus**  
**Fungus: Mushroom; Mold; Yeast**  
**Plant: Photosynthesis; Wheat; Tree**  
**Animal: Muscle tissue; Whale; Starfish**

**Notes for Home** Your child has classified examples of living organisms into the five major kingdoms.  
**Home Activity:** Look through a magazine and ask your child to name the kingdom shown in pictures.

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**4** All Protist pieces will fit vertically under that label. All Fungus pieces will fit vertically under that label. All Plant pieces will fit vertically under that label. All Animal pieces will fit vertically under that label.

**5** Add to the classification chart on the chalkboard.

**6** Additional examples and puzzle pieces could be added for each kingdom.

**7** Encourage an imaginative discussion.