

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

## Section 2.1: Ways of Classifying Living Things

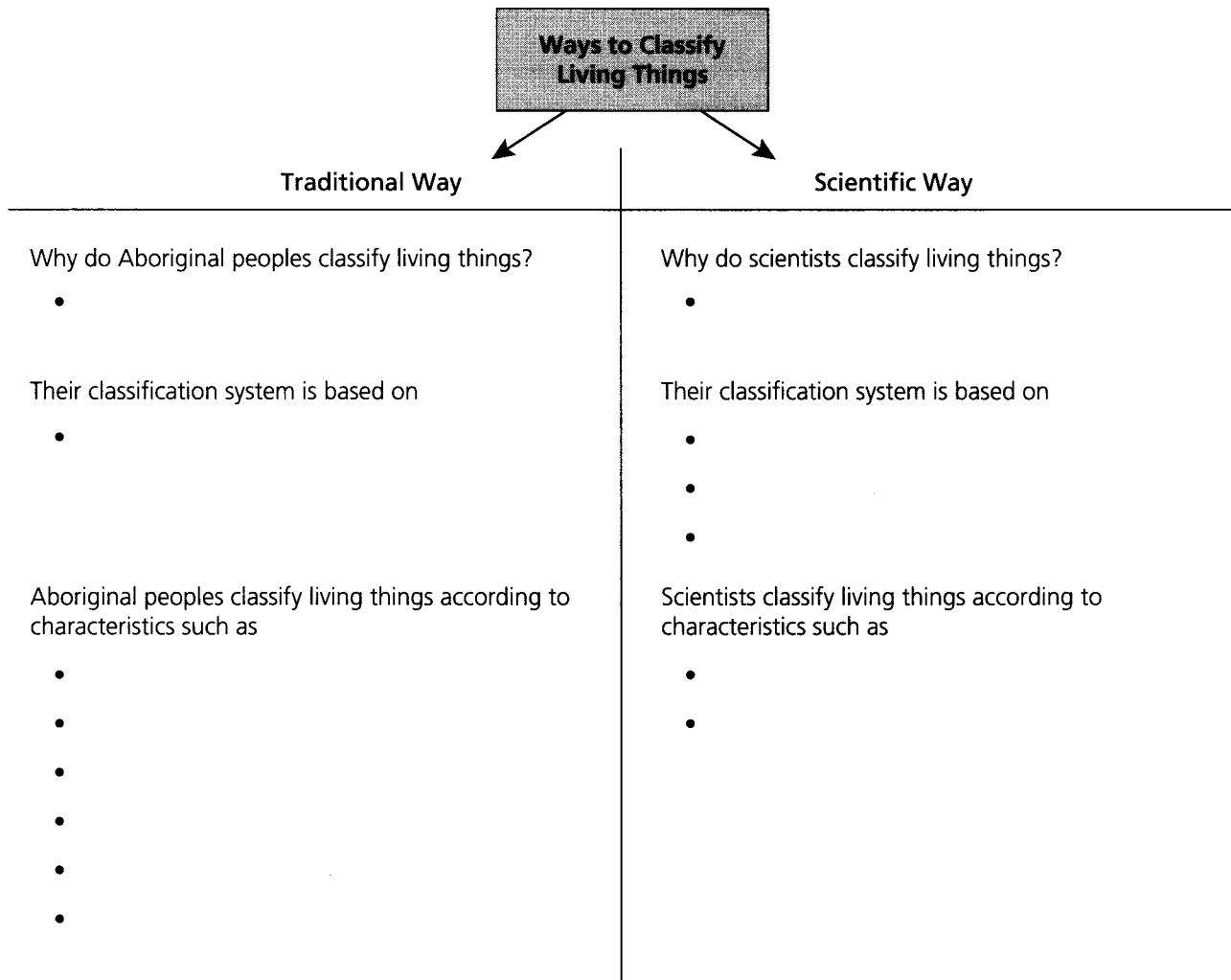
**Key Question:** How are living things classified?

### BEFORE YOU READ

What characteristic would you use to classify a cat, a dog, a parakeet, and a robin into two different groups?

### WHILE YOU READ

Take brief notes as you read Section 2.1.



### AFTER YOU READ

1. In what ways are traditional and scientific classifications the same?

\_\_\_\_\_

2. How are they different?

\_\_\_\_\_

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## Section 2.2: The Key to Classification

**Key Question: How can a classification key help you identify berries?**

### BEFORE YOU READ

Look at the photos of berries in Figure 1 on page 22 of your textbook. Do you know which berries would be good to eat? What can happen if you eat the wrong kind of berry?

### WHILE YOU READ

Underline or highlight the key words for each choice given in Figure 2. Complete the following table to help you identify the berries in Figure 1.





1. a	berries grow along the stem	go to 2
1. b	berries grow in one area on the stem	go to 3
2. a	single berries 	huckleberries = edible
2. b	berries in clusters on a stem 	go to 3
3. a	single leaves with teeth 	wild cherry = edible but can taste bitter
3. b	leaves divided into leaflets from a central stalk 	go to 4
4. a	dark velvet red berries	sumac = edible but tastes sour
4. b	powdery blue berries	blue elderberry = edible

Figure 2 A classification key

#### Photo A

Step 1: Look at the berries in the top left photo. Do they grow along the stem or in one area?

They grow \_\_\_\_\_, so I will go to step \_\_\_\_.

Step 2: Do the berries grow as single berries or in clusters?

They grow \_\_\_\_\_

so the berries are \_\_\_\_\_.

#### Photo B

Step 1: Look at the berries in the top right photo. Do they grow along the stem or in one area?

They grow \_\_\_\_\_, so I will go to step \_\_\_\_.

Step 2: Do the berries grow as single berries or in clusters?

They grow \_\_\_\_\_, so I will go to step \_\_\_\_.

Step 3: Does the berry plant have single leaves or leaflets?

It has \_\_\_\_\_, so the berries are \_\_\_\_\_.

#### Photo C

Step 1: Look at the berries in the bottom left photo. Do they grow along the stem or in one area?

They grow \_\_\_\_\_, so I will go to step \_\_\_\_.

Step 3: Does the berry plant have single leaves or leaflets?

It has \_\_\_\_\_, so I will go to step \_\_\_\_.

Step 4: Are the berries red or blue?

They are \_\_\_\_\_, so the berries are \_\_\_\_\_.

#### Photo D

Step 1: Look at the berries in the bottom right photo. Do they grow along the stem or in one area?

They grow \_\_\_\_\_, so I will go to step \_\_\_\_.

Step 3: Does the berry plant have single leaves or leaflets?

It has \_\_\_\_\_, so I will go to step \_\_\_\_.

Step 4: Are the berries red or blue?

They are \_\_\_\_\_, so the berries are \_\_\_\_\_.

### AFTER YOU READ

Which berries would you eat? \_\_\_\_\_