

Classifying and Exploring Life



What are living things, and how can they be classified?

Before You Read

Before you read the chapter, think about what you know about how living things are classified. In the first column, share three things you already know about kinds of living things. In the second column, record three things that you would like to learn more about. When you have completed the chapter, think about what you have learned and complete the **What I Learned** column.

K What I Know	W What I Want to Learn	L What I Learned

Chapter Vocabulary

Lesson 1	Lesson 2	Lesson 3
NEW organism cell unicellular multicellular homeostasis	NEW binomial nomenclature species genus dichotomous key cladogram	NEW light microscope compound microscope electron microscope ACADEMIC identify REVIEW atom

Lesson 1 Characteristics of Life

Skim Lesson 1 in your book. Read the headings, and look at the photos and illustrations. Identify three things you want to learn more about as you read the lesson. Write your ideas in your Science Journal.

Main Idea

Characteristics of Life

I found this on page _____.

Organization

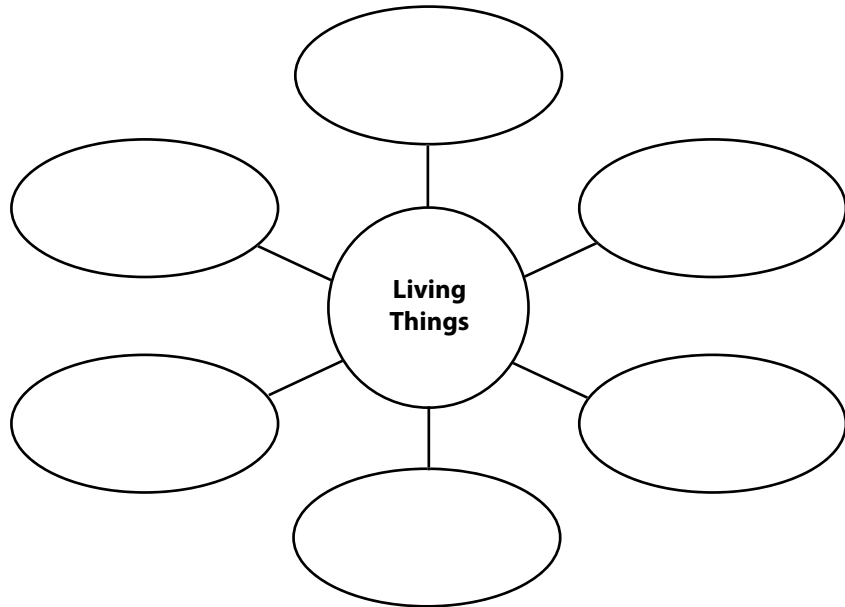
I found this on page _____.

Growth and Development

I found this on page _____.

Details

Organize information about living and nonliving things. Complete the word web with the 6 characteristics of life.



Describe the 2 types of organization in organisms.

1. Unicellular: _____

2. Multicellular: _____

Compare growth and development of multicellular and unicellular organisms.

	Multicellular Organism	Unicellular Organism
How the organism grows and develops		

Lesson 1 | Characteristics of Life (continued)

Main Idea

Reproduction

I found this on page _____.

Responses to Stimuli

I found this on page _____.

Details


Define reproduction. Then identify 2 ways in which organisms reproduce.

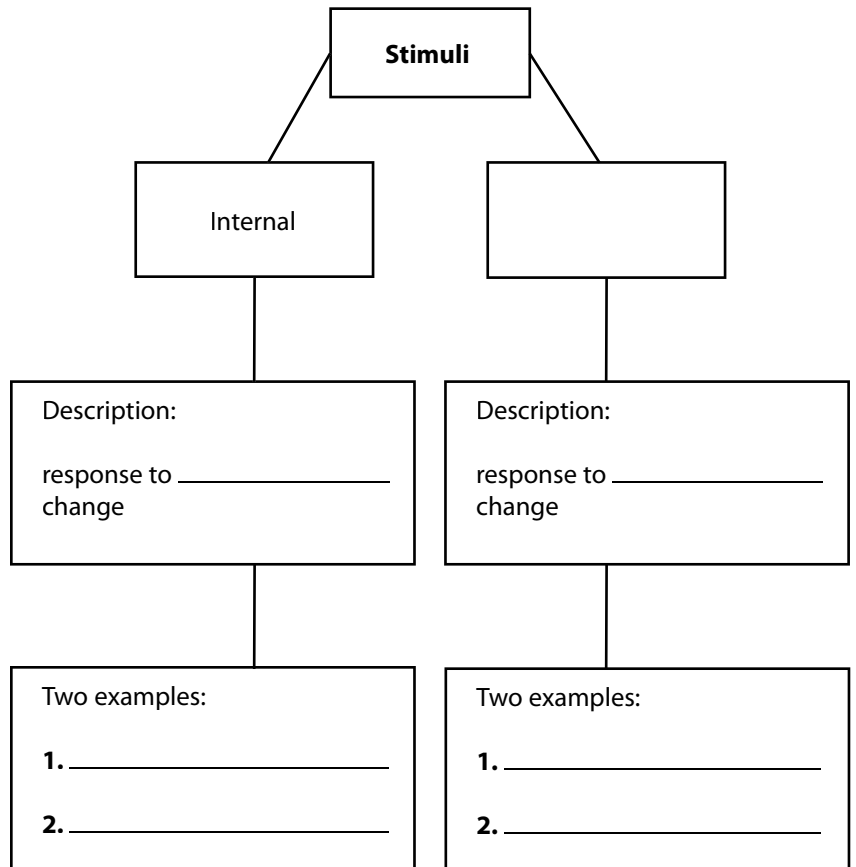
Reproduction: _____

Organisms reproduce by:

1. _____

2. _____

 **Identify** 2 types of stimuli, and provide two examples of each.



Lesson 1 | Characteristics of Life (continued)

Main Idea

Homeostasis

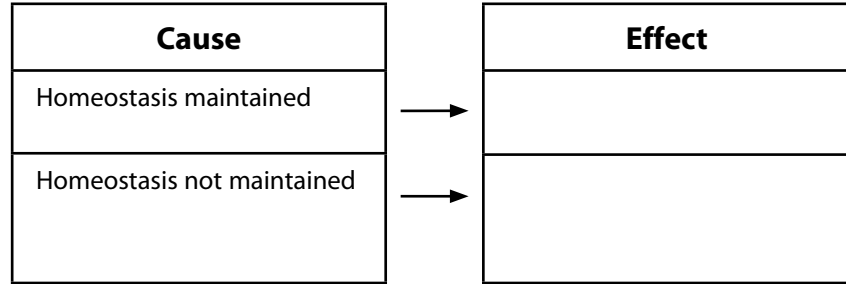
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Energy

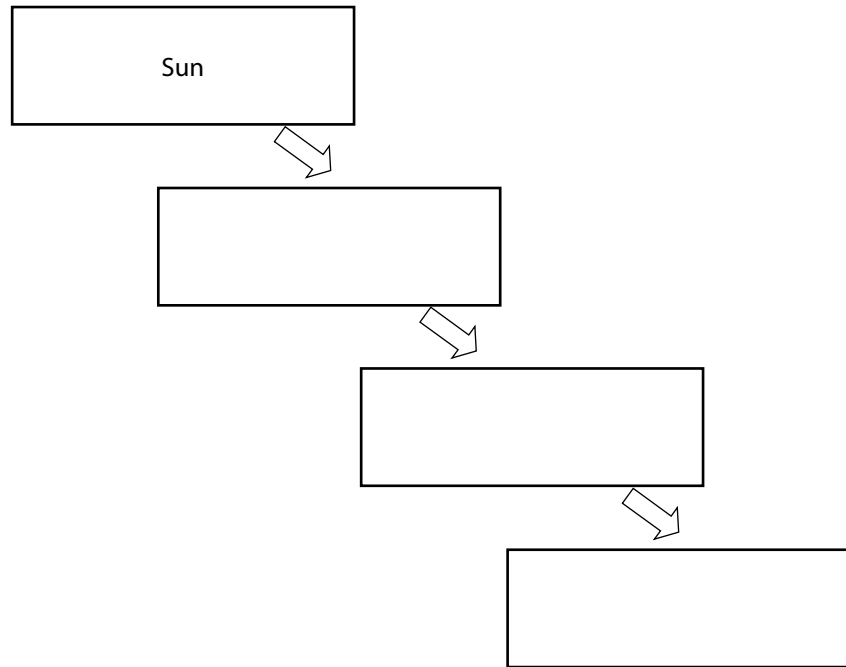
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Details

Analyze the effect of homeostasis. Complete the cause-and-effect chart.



Sequence how energy flows from the Sun to a mountain lion.



Analyze It Use the characteristics shared by all living things to explain why a clock is not a living thing.
