

*Science Test  
Living Things*

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

Grade 6 \_\_\_\_\_

October, 2008

Duration: 50min

---

**Neatness and Clarity of handwriting: (1pt)**

**I. (12pts) Circle the best answer:**

- What is a tool used to identify cells?  
a. a magnifier                      b. a microscope                      c. a beaker                      d. binoculars
- An organism makes inner changes to maintain the right amounts of water and food in its cells. What is the term for this ability?  
a. photosynthesis                      b. imbalance                      c. homeostasis                      d. transport
- Which of these is **NOT** an organism?  
a. seed                      b. rock                      c. bird                      d. cockroach
- The fight between living things for limited living space is \_\_\_\_\_.  
a. adaptation                      b. response                      c. competition                      d. reproduction
- \_\_\_\_\_ are organisms that can not make their own food.  
a. Trees                      b. Producers                      c. Moss                      d. Consumers
- Which of the following gases do plants need to survive?  
a. oxygen only                      b. carbon dioxide only  
c. oxygen and carbon monoxide.                      d. oxygen and carbon dioxide.
- Which one of the following is considered a stimulus?  
a. a car horn blowing                      b. jumping at a loud noise  
c. taste buds on the tongue                      d. writing a letter
- Which characteristic of life is represented by a bacterium dividing into two daughter cells?  
a. development                      b. cellular organization  
c. reproduction                      d. responding to a stimulus

**II. (12pts)** Read carefully the following sentences, and then in the space provided write whether the sentence is **True** or **False**. To make false statements correct, you may only change the underlined words.

1. Mushrooms are consumers. \_\_\_\_\_
2. Almost all living things are approximately 70 percent proteins. \_\_\_\_\_
3. Producers can get all of their energy from the food they eat. \_\_\_\_\_
4. Animals get energy directly from the sun. \_\_\_\_\_

5. All organisms require the same amount of space to live. \_\_\_\_\_
6. The most common gas in the air is nitrogen. \_\_\_\_\_

**III. Short questions:**

1. (6pts) A computer driven machine can transform energy, make copies of itself, adapt over time to better suit the environment.

a. List **three characteristics** of life that the above machines have?

b. Can those machines be considered living things? Justify your answer.

**2. Use the paragraphs below to answer the following questions:**

“Female lions or lionesses hunt in teams to bring down large animals like the buffalo. Males usually feed on the kills made by females. Often, lions will scavenge (steal prey) from other carnivores, such as hyenas.”

“As plant eaters, horses use their front teeth to cut grass close to the ground. These teeth slope outward as a horse gets older, providing a reliable way to judge a horse’s age.”

**From Encarta Encyclopedia**

a. (1pts) Name the need of living things that is described in the above paragraphs.

---

b. (7pts) Match the words in column A to those in column B. Some words might have more than one answer.

**Column A**

\_\_\_\_\_ Horse

\_\_\_\_\_ Lion

\_\_\_\_\_ Grass

\_\_\_\_\_ Hyena

**Column B**

a. Carnivore

b. Herbivore

c. Consumer

d. Autotroph

c. (2pts) Can a horse be considered a heterotroph? Justify your answer.

---

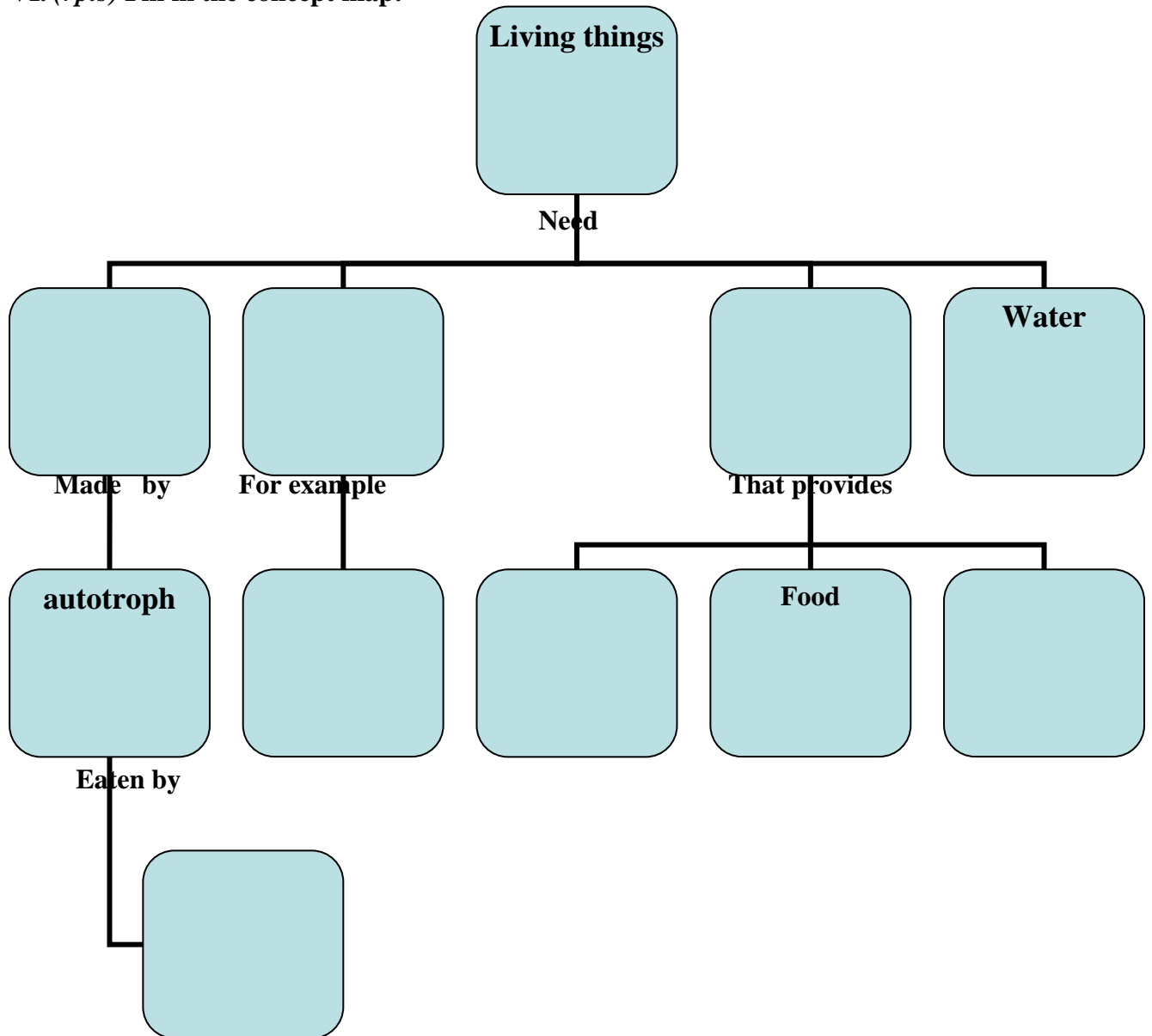
---

d. (2pts) Using the text, describe one adaptation that helps a horse obtain its food. Explain how a horse uses it.

---

---

VI. (7pts) Fill in the concept map:



**Good Luck**