VICTORIA THANG LONG SCHOOL **Name: _____**

School year: 2021-2022/ Class: **Subject: Science**

THE STUDY GUIDE FOR THE 1ST MID-TERM TEST

PART I. SCIENCE VOCABULARY & KNOWLEDGE REVIEW (Week 1 - 10)

Topic	Science vocabulary	Science knowledge
What Plants Need	*orchid, to cling, branch, treetop, to require, to compete, to block, fog, shade*	❖ Plants need three main things to grow: sunlight, air, and water ❖ In a rain forest, the tall trees compete for sunlight. By growing on another plant, the orchid is able to get the sunlight it needs to survive. ❖ Since the orchid is growing on a tree, its roots cannot take water out of the ground. The orchid gets water from rain and fog.
How Plants Get Energy	*photosynthesis, pigment, chlorophyll, to release, to carry out, to store*	❖ Plants make their own food in a chemical process called photosynthesis. ❖ The green pigment chlorophyll that found in the leaves captures the energy of sunlight. ❖ Plants use carbon dioxide and water to make food. • Plants take in carbon dioxide from the air. • The water is taken up from soil or from the air. ❖ The main product of photosynthesis is food in the form of sugar. ❖ Photosynthesis also produces oxygen, which is released into the air.
Materials for Plant Growth	*mineral, nutrient, material, to take in, fertilizer, to dissolve, source, building block*	❖ Plants use sugar producing from photosynthesis as a source of stored energy. ❖ Plants also use sugar as a building block to make new leaves, stems, and roots. ❖ Mineral nutrients are dissolved in water. When a plant takes in water, it also takes in nutrients. ❖ By adding fertilizers, gardeners and farmers add mineral nutrients to the plants.
Desert Food Chain and Food Web	*organisms, producers, consumers, combination, variety*	❖ Producers make their own food and get energy directly from the Sun. ❖ Consumers get energy by eating other organisms as food.

LIVEWORKSHEETS

		❖ A food chain is a path by which energy flows from one living thing to another in an environment. Sunlight is the source of energy for the food chain. ❖ A food web is a combination of food chains that shows how energy moves from the sun through an environment.
Decomposers	*to decompose, to decay, mold, yeast, fungus, microscopic, bacterium, molds, yeasts, mushrooms*	❖ A decomposer is an organism that breaks down dead organisms and the waste of living things. ❖ Fungi and bacteria are decomposers. ❖ Decomposition eventually restores, or recycles nutrients.

PART II. PRACTICE

Task 1: Choose the correct answers.

1. What are three main things plants need to grow?

A. Sunlight, air, soil.
B. Sunlight, water, soil.
C. Water, air, soil.
D. Water, air, sunlight.

2. Why does the orchid plant have to grow and cling on the treetop?

A. To get more soil.
B. To get more water.
C. To get more sunlight.
D. To get more air.

3. Where is chlorophyll found?

A. In air.
B. In water.
C. In leaves.
D. In soil.

4. The green pigment chlorophyll captures the energy of ……

A. sunlight.
B. soil.
C. air.
D. water.

5. In a rain forest, the tall trees compete for ……

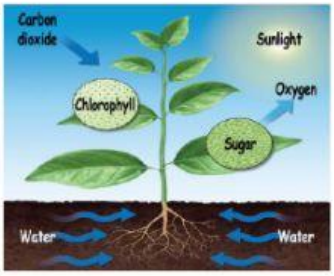
A. food.
B. sunlight.
C. rain.
D. air.

LIVEWORKSHEETS

Task 2: Match the words in the box with the pictures.

A. Chlorophyll	B. Fertilizer	C. Nutrient	D. Photosynthesis	E. Orchid

6.

7. 

8.

9.

10.

Answer: 6. _____, 7. _____, 8. _____,

9. _____, 10. _____.

Task 3: Read and circle True or False.

11. The orchid gets water from rain and fog. **True/False**

12. All plants can grow in the deep shade of the forest floor. **True/False**

13. Carbon dioxide is produced in photosynthesis. **True/False**

14. Plants use oxygen and water to make food **True/False**

15. The main product of photosynthesis is food in the form of sugar **True/False**

Task 4: Fill in the blanks with words in the box.

nutrients	photosynthesis	fertilizers	energy	mineral nutrients

16 & 17. Plants use sugar producing from _____ as a source of stored _____.

18. _____ are dissolved in the water that plants take in.

19 & 20. By adding _____, gardeners and farmers add _____ to the plants.

LIVEWORKSHEETS

Task 5: Fill ONE word in the blank to answer questions below.

21. What is the source of energy for the food chain?

Answer:

_____ is the source of energy for the food chain.

22 & 23. What are producers and how do they get energy?

Answer:

Producers make their own _____ and get energy directly from the _____.

24. What is an organism?

Answer: An organism is an animal or plant, or any other _____ thing.

25. Match the organisms with their type.

a. molds	1. consumers.
b. apple trees	
c. grasshoppers	2. producers.
d. fungus	
e. grass	3. decomposers

28. What are NOT fungus?

A. Molds

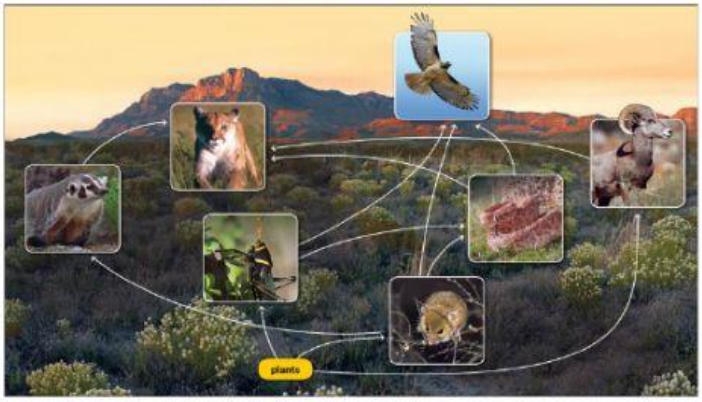
B. Bacteria

C. Mushrooms

D. Yeasts

LIVEWORKSHEETS

26 & 27. Look at the picture and answer question 27 and 28.



26. What do the arrows in the diagram show?

A. The flow of nutrient from one organism to another.

B. The flow of energy from one organism to another.

C. The flow of energy of the same organisms.

D. The flow of nutrient of the same organisms.

27. How many food chains is the mountain lion part of?

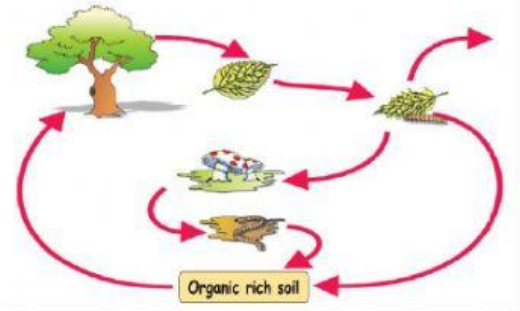
A. The mountain lion is a part of 1 food chain.

B. The mountain lion is a part of 2 food chains.

C. The mountain lion is a part of 3 food chains.

D. The mountain lion is a part of 4 food chains.

29. Why are decomposers important to plants?



A. Decomposers release nutrients that plants need to grow.

B. Decomposers release sunlight that plants need to grow.

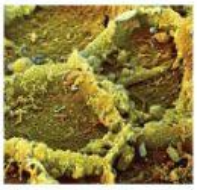
C. Decomposers release air that plants need to grow.

D. Decomposers release water that plants need to grow.

30. Choose the picture which is NOT a decomposer.

A.

B.

C. 

D.

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