Kingdom Name: Fungi Chao

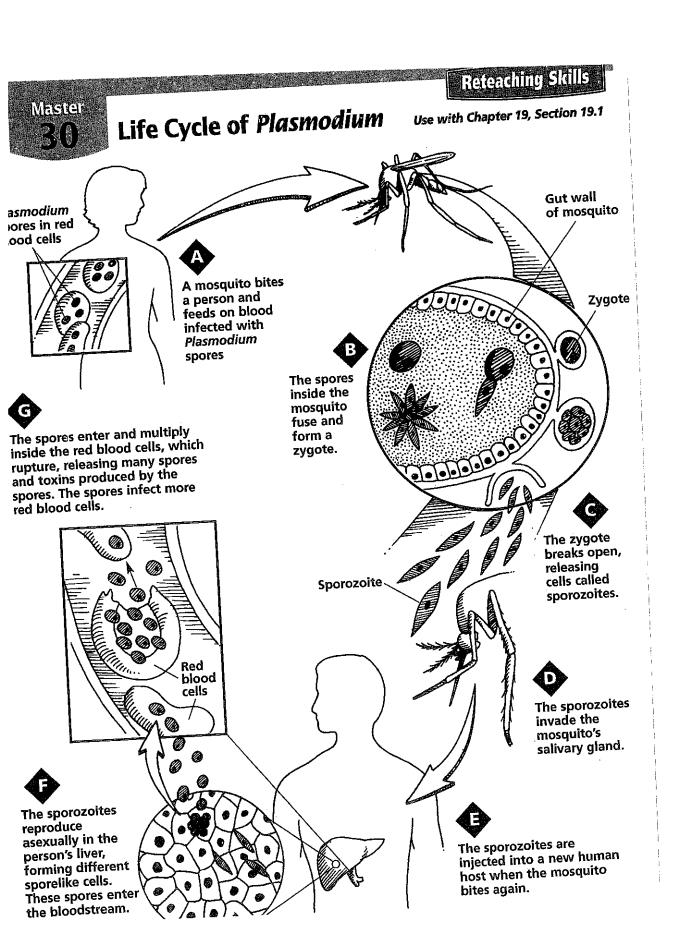
	My Notes
Movement & Support	
Digestion/ Obtaining Nutrients	
Nutrients	
Nervous/ Response	
Circulation	
Gas Exchange	
Excretion	
Reproduction	

Worksheet

Reteaching Skills

Life Cycle of Plasmodium Use with Chapter 19, Section 19.1

. D	Define these terms:
a	sporozoans
b	spore
C	sporozoite
. A	ofter a mosquito bites an infected person, what happens in the mosquito?
_	
_	
- 3. I	How do the sporozoites get from the mosquito to a human host?
_	
-	
.a. ¬	Where do the sporozoites go once they enter a human host?
₩.	Where do the sporozoteo go ozer
-	
	the bloodstream
5.	Explain what happens to the spores produced in the liver after they enter the bloodstream.
6.	What do the spores do after they burst from red blood cells?
	C. 1 is in an infacted person
7.	Explain what causes the symptoms of malaria in an infected person.
8.	How does the disease continue to be spread from a person who has malaria?



Kingdom Name: Plantae Ch 21-24

	My Notes
Movement & Support	
Digestion/ Obtaining Nutrients	
Nervous/ Response	
Circulation	
Gas Exchange	
Excretion	
Reproduction	

Plant Vocabulary

Nonvascular plant

Seed

Embryo

Phloem

Stomata

Vascular plant

Pollen grain

Guard cell

Xylem

Tropism

Protist and Fungus Vocabulary

Asexual reproduction

Fragmentation

Alga(e)

Chitin

Autotroph

Spore

Protozoan

Budding

Lichen

Heterotroph

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Simple Organisms in Action Fungi

1. Fungi are
a. simple organisms b. not alive c. complex organisms
2 is the green pigment that allows plants to make their own food.
a. Chlorine b. Chlorophyll c. Chloroseptic
3. The cell wall in a fungus is called
a. chlorophyll b. chitin c. membrane
4. Organisms that get their food from other living things are called
a. fungi b. heterofungi c. heterotrophs
5. How do fungi get their food?
a. they eat it b. they drink it c. they absorb it
6. To what kingdom do fungi belong?
a. fungi b. hyphae c. planta
7. Long tubular cells in a fungus are called
a. hypo b. hyphae c. hyper
8. How many species of fungi are there?
a. 1 million b. 100 thousand c. 100 million
9. Scientists that study fungi are called
a. hyphaeologists b. fungicologists c. mycologists
10. A fungus' reproductive cells are known as
a. hyphae b. spores c. sprouts



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Simple Organisms in Action Protists

1.	Nearly all protists live in
	a. dry places b. wet places c. cool places
2.	To what kingdom do protists belong?
	a. protest b. protista c. planta
3.	What was the earliest life form on Earth?
	a. bacteria b. protists c. nuclei
4.	is the process of trapping sunlight to make food.
	a. Protista b. Photography c. Photosynthesis
5.	A partnership between two species is called
	a. symbolic b. symbiosis c. synthesis
6.	Organisms that make their own food are called
	a. autotrophs b. heterotrophs c. chlorophylls
7.	Photosynthetic protists produce more than all the plants on Earth.
	a. seeds b. pollen c. oxygen
8.	Protists can be any of colors.
	a. 3 b. 13 c. 6
9.	A multi-celled brown algae is called
	a. spirogyra b. cape c. kelp
0.	What color algae do scientists use for food?
	a. green b. brown c. red



Chaa

Non Seed Plant Divisions

Division name and examples	Important characteristics or unique features
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•	

Ch aa

Seed Plant Divisions

Division name and examples	Important characteristics or unique features

Plant Life in Action Plant Structure & Growth

1.	What area of the plant is capable of growth?
	a. root cap b. root layer c. root tip
2.	The protective layer of tissue at the root tip is called the
	a. root cap b. root ball c. root layer
3.	Thin root cells that function by absorbing water are
	a. filaments b. fingers c. root hairs
4.	What is the protective outer layer of a leaf cell?
	a. pigment b. epidermis c. root tip
5.	is evaporation of water from a plant through the stomata.
	a. Transpiration b. Transportation c. Respiration
6.	What process uses sunlight to make food?
6.	What process uses sunlight to make food? a. photography b. photosynthesis c. transpiration
	a. photography b. photosynthesis c. transpiration
7.	a. photography b. photosynthesis c. transpiration What is the waxy protective covering on the epidermis of a leaf?
7.	 a. photography b. photosynthesis c. transpiration What is the waxy protective covering on the epidermis of a leaf? a. cuticle b. root cap c. root wax
7.	a. photography b. photosynthesis c. transpiration What is the waxy protective covering on the epidermis of a leaf? a. cuticle b. root cap c. root wax What are the small openings on the bottom of a leaf?
7.	a. photography b. photosynthesis c. transpiration What is the waxy protective covering on the epidermis of a leaf? a. cuticle b. root cap c. root wax What are the small openings on the bottom of a leaf? a. epiderms b. spores c. stomata
7. 8. 9.	a. photography b. photosynthesis c. transpiration What is the waxy protective covering on the epidermis of a leaf? a. cuticle b. root cap c. root wax What are the small openings on the bottom of a leaf? a. epiderms b. spores c. stomata The green pigment that absorbs sunlight is called



Plant Life In Action Plant Biodiversity

What does bio- mean? a. death b. two c. life
 What does the word "diversity" mean? a. different b. opposite c. same
 The first plants developed a. on mountains b. in the ocean c. on land
4 were the first plants. a. Green bacteria b. Brown algae c. Green algae
5. Plants that have special tissues are calleda: green algae b. vascular c. muscular
6. How long has the fern been in existence? a. 390 million years b. 490 thousand years c. 200 years
7. What kind of plant is moss? a. it is not a plant b. vascular c. non-vascular
8. Dry reproduction is possible because of a. water b. seeds c. animals
9. The were the first seed producers. a. gymnosperms b. vasculars c. conifers
10. Pollen producing plants rely on for reproduction.a. the wind b. water c. photosynthesis



Plant Life in Action Plants & People

1.	When you a plant, its energy is passed on to you.
	a. eat b. touch c. smell
2.	Photoconversion is the process in which plants capture and store the energy of the sun.
	a. true b. false
3.	are the first link in the food chain.
	a. Consumers b. Producers c. Carnivores
4.	What is the second link in the food chain?
	a. conifers b. producers c. consumers
5.	A lion is a(n) in the food chain.
	a. observer b. producer c. consumer
6.	What was the first plant to be grown for food?
	a. wheat b. corn c. potatoes
7.	In early America, most houses were built of bricks.
	a. true b. false
8.	Where did rice come from?
	a. Asia b. Europe c. Africa
9.	Sugar wheat came from
	a. Africa b. Asia c. Europe
10.	What country did green and yellow beans come from?
	a. China b. United States c. France



Plant Life In Action Plant & Animal Interdependency

1.	What do plants and animals rely on each other for?
	a. their basic needs b. fertilization c. photosynthesis
2.	Species involved in a dependent relationship are called
	a. a group b. interdependent c. a school
3.	What do all living creatures have in common?
	a. hair color b. the sun c. what they eat
4.	The sun is the ultimate source of on our planet.
	a. snow b. heat c. energy
5.	What do plants need to survive?
	a. warm temperatures, oxygen and water b. cool temperatures, water and carbon dioxide
	c. sunlight, carbon dioxide, oxygen and water
6.	An animal requires to breathe.
	a. oxygen b. food c. water
7.	Without reproduction a species becomes
	a. wild b. extinct c. hungry
8.	is the process by which a plant captures energy from the sun and turns it into food.
	a. Photosynthesis b. Stomata c. Reproduction
9.	A plant makes its own
	a. shelter b. water c. food
0.	From where do herbivores get energy?
	a. animals b. plants c. water



Medicinal Plant Brainteaser challenge Student Sheet

Student name:	Class/section:	
	Class/section.	· · · · · · · · · · · · · · · · · · ·

Background Information and Directions

All around us, plants are growing, and all around us, a host of insects, rodents, molds, and other living things are trying to eat them. What's to prevent all these predators from eating every plant in sight? How can the plants still survive, stuck where they are and apparently defenseless?

One very effective way plants protect themselves is by producing poisons to repel and even kill the living things that want to devour them. Since a great variety of plant predators exists, plants have come up with an equally huge selection of poisons to drive them away. All these poisons affect living things in an enormous variety of ways. There are a lot of ways to be a poison!

Scientists are very interested in finding and learning about these plant poisons. There are so many that scientists are constantly discovering new compounds that they had never dreamed of. But why should they go to all this trouble? It turns out that poisons can actually serve as medicines. The enormous diversity of plant poisons that exists affects the human body in an equally diverse number of ways. But what might be harmful in one situation can be beneficial in another. Carefully applied in the right circumstances, in fact, plant poisons can help, not harm, us and even save lives. Whether a compound is a poison or a medicine, therefore, depends upon its dosage and how it is used.

The brainteaser challenge below illustrates this. The chart introduces 20 plants, the compounds they make, and what the compounds do to living things. Look the compound descriptions over and try to predict how we use them as medicines.

Following that are two sheets with 20 "medical cards". Your task is to cut out and glue the "medical cards" to the appropriate plant---to the best of your ability, using the information provided, AND your power of deduction.

A powerful cancer remedy

Used to relax muscles during surgery

Used to treat heart problems

Used to treat an eye disease called glaucoma

Used as a laxative to relieve constipation

Used in birth control pills

Used to open patients' pupils during eye exams

Considered the most effective pain reliever of all

Used to treat high blood pressure

Used as a local anesthetic and to treat sore throats

A powerful cancer remedy

Used to treat malaria, which is caused by protozoan parasites infesting human blood A powerful cancer remedy

Used to treat
Alzheimer's
disease, a brain
disorder that
mainly affects
older people

Used to remove blood clots

Used to treat a painful type of arthritis (joint disease) known as gout

A promising treatment for bacterial and fungal infections

Used to treat warts and some cancers

Used to treat asthma and emphysema, diseases of the respiratory system that affect how people breathe

Used to treat malaria, which is caused by protozoan parasites infesting human blood