

General Blackline Masters

Human Body Kit # 94

HOW SURE ARE YOU?

Topic: _____

In-Pencil Facts

"I'm not too sure about this."

In-Ink Facts

"I'm pretty certain these are true."

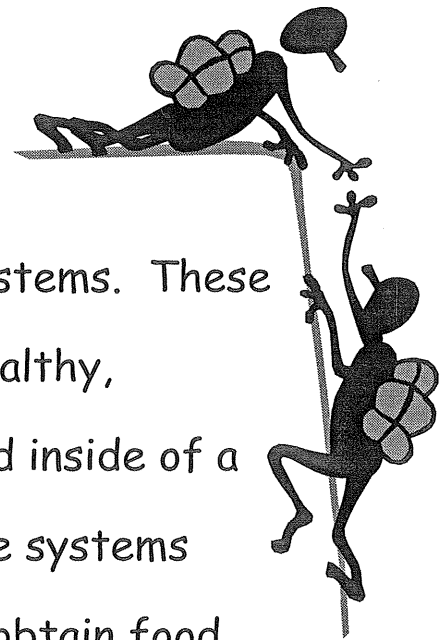
In-Stone Facts

"I know for sure that these are true."

The Human Body

The human body is a complex organism made up of different body systems. These systems work together to produce a healthy, functioning person. What would you find inside of a human body? Inside of a bird, there are systems that keep the bird alive. Birds need to obtain food, digest it, and get rid of the waste products of digestion. Birds must also breathe in air and release the waste products of respiration. The oxygen from breathing and nutrients from digestion must also be circulated to other parts of the body.

Each system in the human body, and other organisms, has a specific function. It is also dependent on other systems in the body. Many of these systems do hundreds of different functions at the same time. Scientists have been able to create artificial joints and machines to help the heart or kidneys do a better job, but have never been able to produce something that works as well as the human body.



Your body is made of many systems that all work together. Some of these systems help us move, some help control our body, and other systems help with energy.

Some of the systems are:

Circulatory	Muscular
Digestive	Nervous
Endocrine	Respiratory
Excretory	Skeletal

Use the names of the systems in the box above to complete the following:

These systems help us move: _____

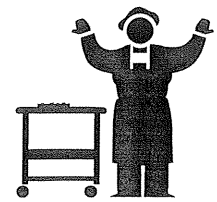
These systems help control our body: _____

These systems help us with energy: _____

Name _____

Human Body Systems

[illegible]



Dear _____,

You have been selected to learn about the _____ system of the human body. You will work in groups of _____ to become experts on this system.

You will need to do the following:

- Research to become experts on this system.
- Make a 3-D model of your system to demonstrate how your system works.
- Draw and label your system on the tracing of the human body.
- Decide on a lab activity that will help others learn about a function of this system. You will need to practice this lab, decide on materials needed, and be prepared to teach others how to do this activity.
- Prepare a short quiz (4 questions) to give each group to check if they learned the most important concepts and vocabulary.
- Each member of your group will teach another group of students about your system.
- Your presentation will be two periods: the first period will be teaching about your system; the second period will be the lab activity and giving the quiz you wrote.
- Your group will be responsible for grading the quizzes and handing them in to me.

Group grade:

Your group will be graded on how well you have prepared your presentation and how accurate the information is.

Individual grade:

Each of you will be graded on your contribution to the project and your on-task behavior. Each person in the group will be responsible for teaching a group of students about your system. The unit test at the end of the project will also be an opportunity to demonstrate how much you learned.

Dates:

You will have about _____ classes to work on this project. Presentations will begin on _____. Most of the work will be done in class, but some of you may need to spend other time on the project. If you work well in class, you should have enough time to finish.

You will gather the following information:

1. the major function(s) of your system
2. the organs that are part of your organ system
3. what each organ does in your organ system
4. pick a main organ and write more detail about it:
 What kind of cells is it made of?
 What do the cells do and how are they necessary for the organ to function?
5. the other systems of the human body that interact with your system

Your project may include one of the following:

- Powerpoint presentation. Remember the only writing on powerpoint presentations should be brief notes and headings. Your talk will fill in the rest.
- Charts and/or transparencies to use while teaching.
- Children's non-fiction book. Make a book with pages explaining in elementary student's terms about your system. There should be lots of drawings, large type, and explanations. Pretend a 3rd or 4th grader will be reading it.
- Make a magazine type presentation about your organ system. You can add advertisements and short related articles to make it look more like a magazine.
- Bookmarks, paper hats, or other mementos for others to remember the main concepts and vocabulary of the system.

Remember:

Your job is to become an expert on one body system and teach a group of students about it. Students from other groups will be experts on other systems of the human body and teach you about it. It is important that you focus on the major functions of the body system and its main organs.

Since we all learn better when we hear information, see pictures and diagrams, and actively participate, it is important that you plan your lessons to include these things.

Do you have questions or creative ideas to teach others about this system? Please talk with me about your ideas.

Sincerely,

The

Human

Body

Name _____

Date _____

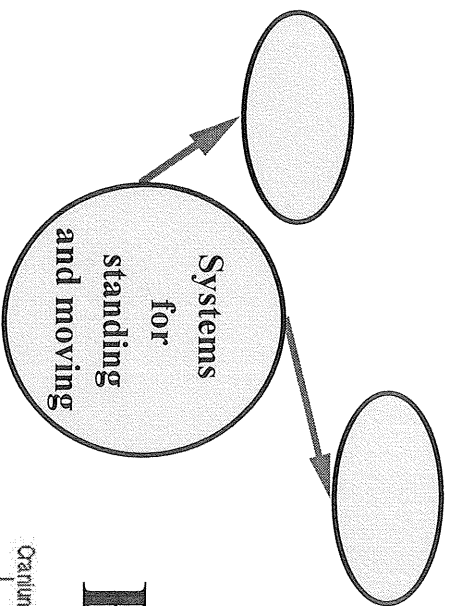
Teacher _____

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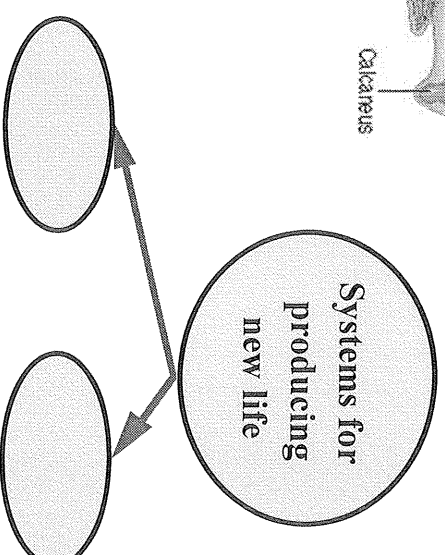
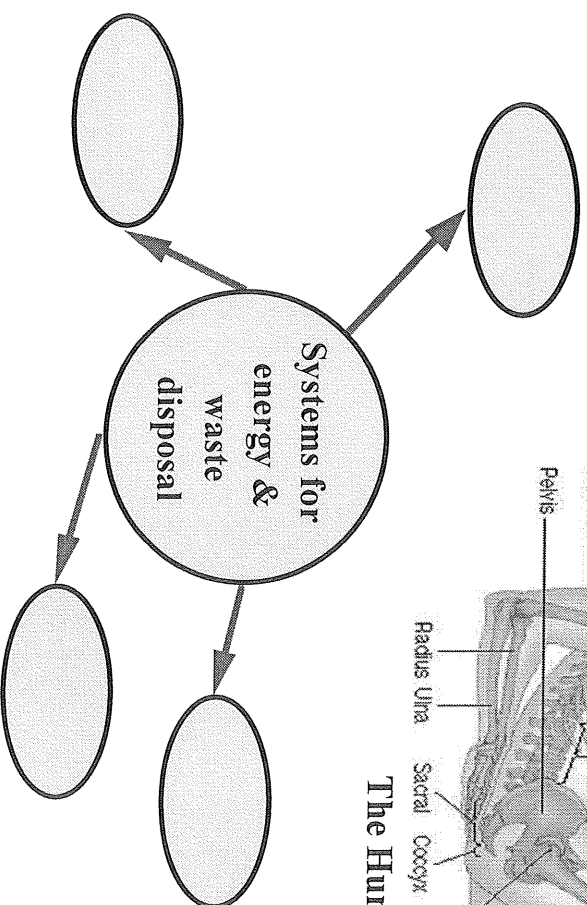
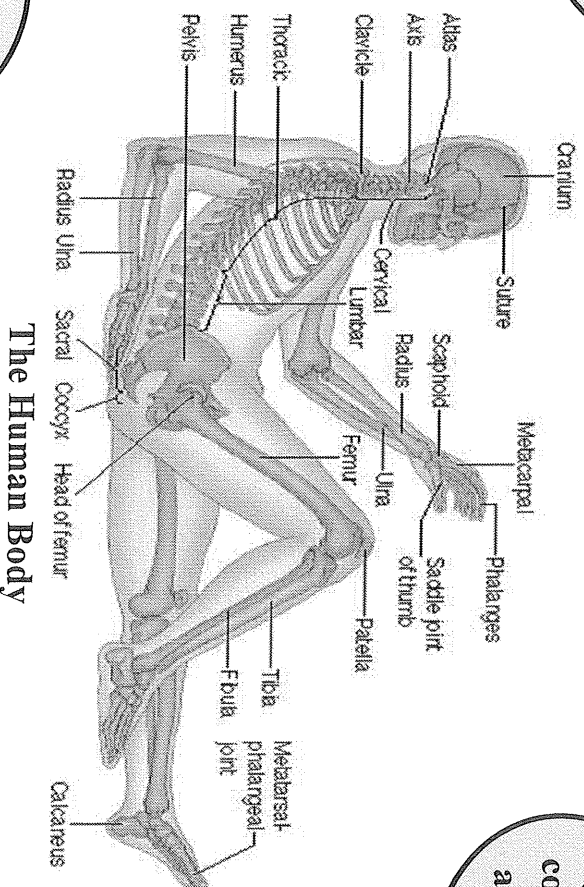
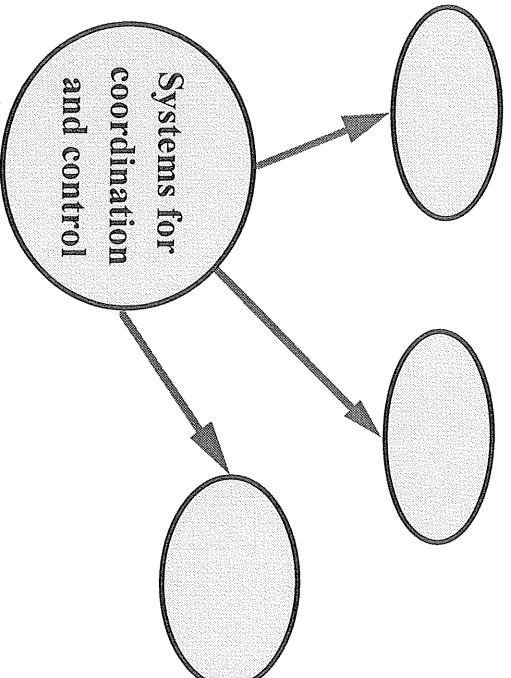
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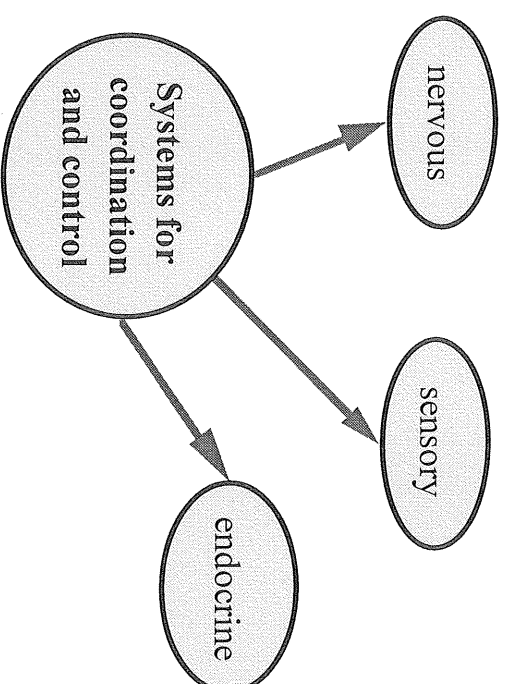
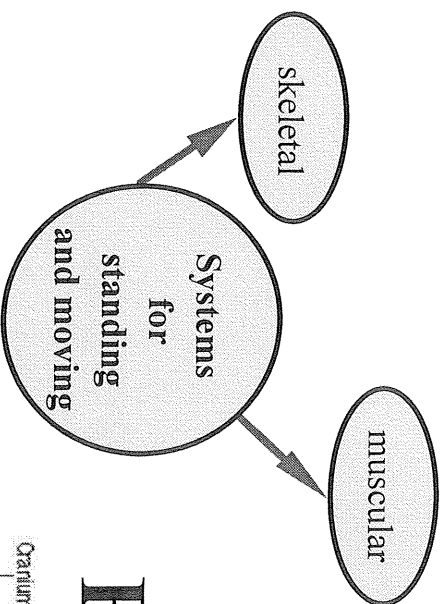
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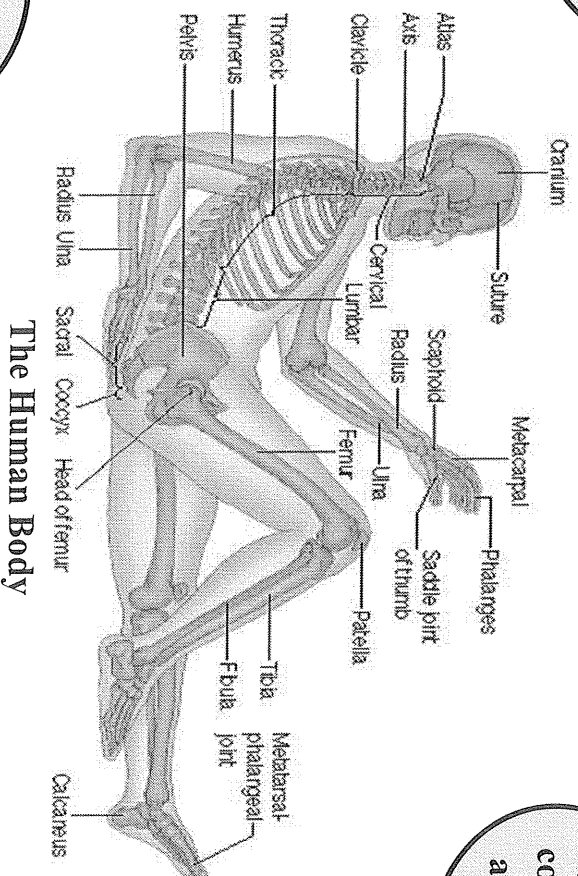


Body systems

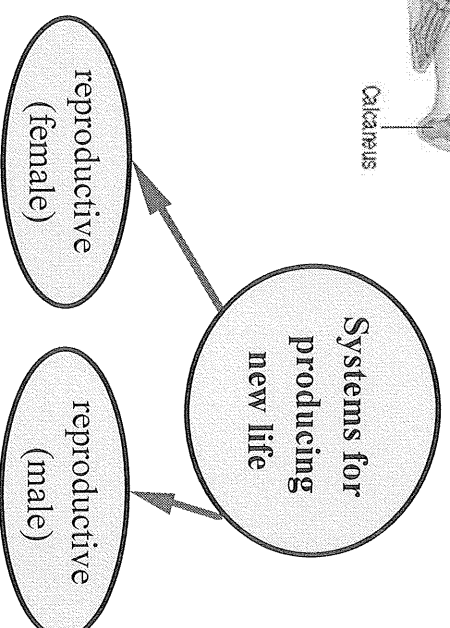
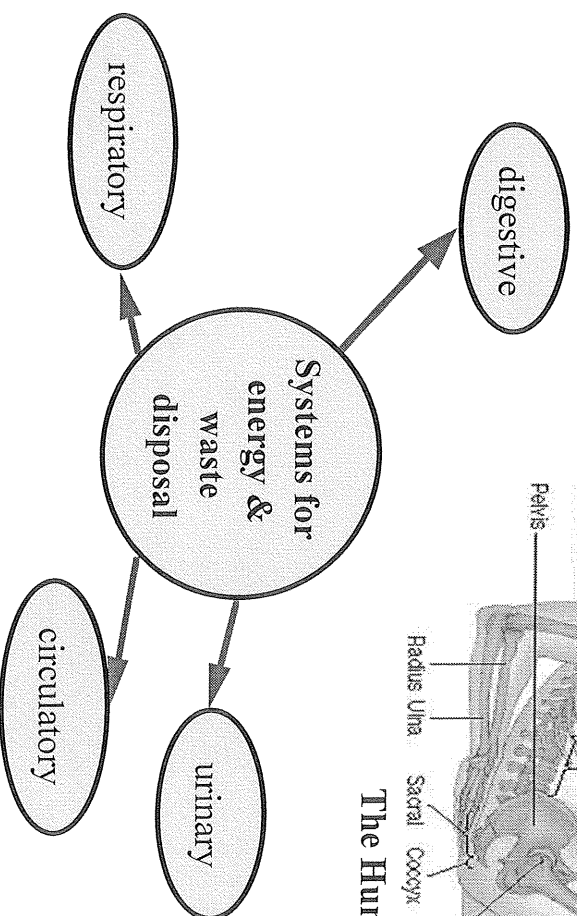




Body systems



The Human Body



Taking Care of My _____ System

1. My _____ system is important to my health because _____

2. Some of the diseases that can affect this system are

3. In order to take care of this system, I need to choose to do the following behaviors: _____

My Action Plan for Health

Healthy behaviors that I have now that I want to maintain:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

My identified area of concern:

Actions that I can take toward health:

1. _____
2. _____
3. _____

Criteria to know that I am successful: _____

My reward for success:

FRONT-LOAD THE WORDS

(Word)

(Definition)	(Key Characteristics)
(Examples)	(Pictures)

(Word)

(Definition)	(Key Characteristics)
(Examples)	(Pictures)

WHAT IT IS AND WHAT IT'S NOT

Directions: Write the word to be defined in the center section. In each box, enter information about the word that defines and describes it using the criteria for that box.

Definition	Characteristics
What It Is	And What It's Not

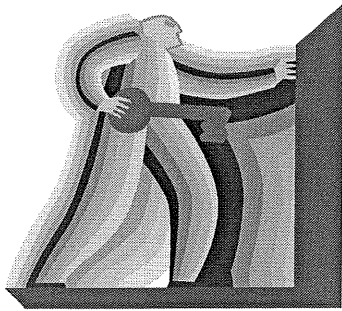
Word

Human Body System Summary Sheet

Organs	Function(s)	Interaction(s) with other systems
Digestive System		
Mouth	Physical and chemical breakdown food	
Esophagus		
Stomach		
Small intestine		
Liver		
Pancreas		
Large intestine		
Respiratory System		
Nose/mouth		
Trachea		
Bronchial tubes		
Lungs		
Diaphragm		
Excretory System		
Kidneys		
Liver		
Ureters		
Bladder		
Lungs		
skin		
Circulatory System		
Heart		
Arteries		
Capillaries		
Veins		
Blood, which includes:		
Plasma		
Platelets		
White blood cells		
Red blood cells		
Lymph nodes		

Human Body System Summary Sheet

Organs	Function(s)	Interaction(s) with other systems
Skeletal System		
Bones		
Cartilage		
Tendons		
Ligaments		
Muscular System		
Muscles		
Nervous System		
Brain		
Spinal cord		
Nerves		
Sense organs		
Endocrine System		
Glands which include: pituitary		
Thyroid		
Pancreas		
Adrenal		
Reproductive System		
Female: ovaries		
Male: testes		



Human Body Corporation

Date: _____

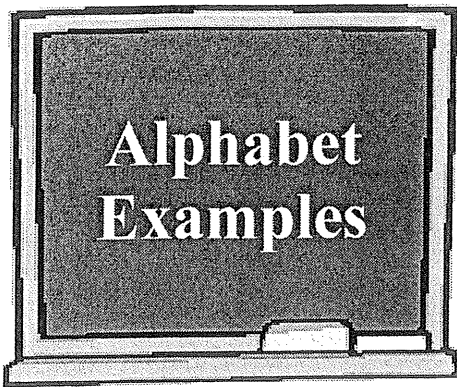
Dear Sir or Madam:

As a body organ, you are an employee of the Human Body Corporation. Due to recent cost increases, the Human Body needs to fire workers. You must write a letter to the Board of Directors of the Human Body Corporation defending your position in the company.

In your letter, you must describe to the Board the following characteristics of your organ, and explain why you are important to the Human Body Corporation. This letter may save your job. Make sure you include as many reasons as possible why you are important to the Human Body Corporation. Letters are due _____.

Sincerely,

Mrs. Ima Caringperson
Director of Personnel



Write a science word next
to each letter of the
alphabet. These words are
parts of the human body.

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

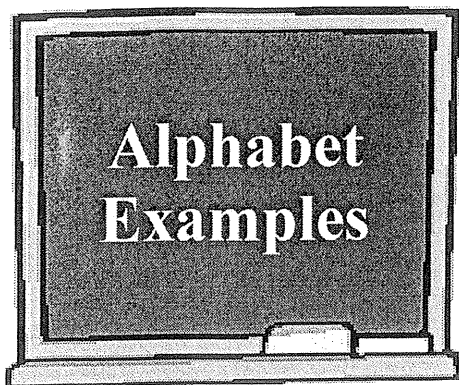
V

W

X

Y

Z



STAYING HEALTHY

Think of a behavior that you can do to stay healthy. Find one behavior for each letter of the alphabet.

Example: Brush your teeth

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z