**Human Body Web Quest**

**Doctor\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Introduction**

You are now beginning a study of the human body. It is important that we understand how our bodies work so that we will be able to take good care of them. Your body is covered by your largest organ and it’s supported from within by your foundation, your skeletal system! All of your body systems have to work together in order to keep you alive and well. You will be exploring the parts of your body by using web resources and answering the questions that correlate to the specific information that is essential for students to know after studying this unit. **You must use the resources on this page or your textbook.** Answer each question with a complete sentence and you must "put the question in the answer" by restating. You may type your answers in a Word document or you may write the answers in complete sentences on notebook paper. Please include the letter & System Name and the question numbers. Skip lines in between each answer.

1. **Nervous System**

<http://hes.ucfsd.org/gclaypo/nervoussys.html>

<http://kidshealth.org/kid/cancer_center/HTBW/brain.html>

<http://www.cyh.com/HealthTopics/HealthTopicDetailsKids.aspx?p=335&np=152&id=2612>

1. What is the **c**entral **n**ervous **s**ystem (CNS)?  
2. What are the main organs/parts involved in the CNS?  
3. What is the Peripheral nervous system (PNS)?  
4. What is an impulse?  
5. What is a synapse?  
6. What are the 3 parts of the brain and what are their jobs?

**B) Cardiovascular System**

<http://hes.ucfsd.org/gclaypo/circulatorysys.html>

[http://kidshealth.org/kid/htbw/heart.html#](http://kidshealth.org/kid/htbw/heart.html)

1. What is the primary function of the cardiovascular system?  
2. What are the main organs/parts involved?  
3. What is blood made of? Explain each component of the blood.  
4. What is the function of the heart?  
5. How many chambers does the heart have?   
6. What are the three types of blood vessels? Describe each type of blood vessel.

**C) Respiratory System**

<http://hes.ucfsd.org/gclaypo/repiratorysys.html>

<http://kidshealth.org/kid/htbw/lungs.html>

1. What is the primary function of the respiratory system?  
2. What is respiration?  
3. Describe how the following parts of the body aid in respiration:  
 a) Nose, b) Pharynx, c) Larynx, d) Trachea, e) Bronchi, and f) Lungs   
4. How do you breathe? Include the rib muscles, diaphragm and cellular respiration.

**D) Digestive System**

<http://kidshealth.org/kid/htbw/digestive_system.html>

<http://digestive.niddk.nih.gov/ddiseases/pubs/yrdd/>

<http://hes.ucfsd.org/gclaypo/digestive_system.html>

<http://www.biology4kids.com/files/systems_digestive.html>

1. What is the function of the digestive system?  
2. What are the main organs involved?  
3. What are the two types of digestion? Describe each type of digestion.  
4. What is peristalsis?  
5. Explain the path food takes once it is put into the mouth?  
6. Where does the absorption of nutrients take place?

**E) Urinary Syste****m**

<http://kidshealth.org/kid/cancer_center/HTBW/pee.html>

1. What is the function of the urinary system?   
2. What are the main organs involved?  
3. What is the function of the kidneys?

**F) Skeletal System**

<http://www.ncbi.nlm.nih.gov/pubmedhealth/PMH0016284/>

<http://glencoe.mcgraw-hill.com/sites/dl/free/0078617022/161752/00053414.swf> - click ok and then play the BrainPop movie

[http://hes.ucfsd.org/gclaypo/skelweb/skel01.html#baby](http://hes.ucfsd.org/gclaypo/skelweb/skel01.html" \l "baby)

<http://kidshealth.org/en/kids/> - type bones or skeletal in their search box

1. What is a skeletal joint?

2. What is a ligament?

3. What are tendons?

4. Why is the skeletal system important to us?

   Include the five functions of the skeletal system in your answer.

5 How many bones are babies born with?

How many bones do adults have?

6. Are bones alive?

**G) Muscular system**

<http://kidshealth.org/en/kids/> - type muscles or muscular in their search box

<http://www.innerbody.com/anatomy/muscular-male#full-description> (you can switch it to female also)

1. What is the function/importance of the muscular system?  
2. What are the 3 types of muscles? Describe each type of muscle.  
3. Muscle action can be **voluntary** or **involuntary**. Explain what each of these muscle actions mean and give two examples of each type of muscle action.