<table>
<thead>
<tr>
<th>What We Know About Bones</th>
<th>What We Want to Know About Bones</th>
<th>What We Learned About Bones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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</tbody>
</table>
## Your K.W.L. Chart

### Bones

**What I Know About Bones**

1. 
   
   
   
   

2. 
   
   
   
   

3. 
   
   
   
   

4. 
   
   
   
   

**What I Want to Know About Bones**

1. 
   
   
   
   

2. 
   
   
   
   

3. 
   
   
   
   

4. 
   
   
   
   

**What I Learned About Bones**

1. 
   
   
   
   

2. 
   
   
   
   

3. 
   
   
   
   

4. 
   
   
   
   

---

Name: ________________________
Date: _________________________

__________________________________
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**Bone Activity 1:**

*Building Big Bones*

**Directions:** Use the space below to write the similarities and differences between the “bone” filled with rocks and the “bone” filled with sponge.

<table>
<thead>
<tr>
<th>Similarities</th>
<th>Differences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>1.</td>
</tr>
<tr>
<td>2.</td>
<td>2.</td>
</tr>
<tr>
<td>3.</td>
<td>3.</td>
</tr>
<tr>
<td>4.</td>
<td>4.</td>
</tr>
</tbody>
</table>

Name: ________________________

Date: _________________________
Bone Activity #1: Building Big Bones

Directions: Answer the following questions about Bone Composition in the space provided.

1. Which materials made the “bones” lightweight and strong?
   ____________________________________________________________________________
   ____________________________________________________________________________
   ____________________________________________________________________________

2. If bones were heavy like the “bone” filled with rocks, what kind of problems would humans have with movement?
   ____________________________________________________________________________
   ____________________________________________________________________________
   ____________________________________________________________________________
   ____________________________________________________________________________

3. Which material would be best for bones, the sponge or the rocks? Why?
   ____________________________________________________________________________
   ____________________________________________________________________________
   ____________________________________________________________________________
   ____________________________________________________________________________

4. How is the material you mentioned in Question #3 like bone marrow?
   ____________________________________________________________________________
   ____________________________________________________________________________
   ____________________________________________________________________________
Bone Activity #2: [Student's Name]'s Broken Bone Report

1. Have you ever broken a bone? Yes or no.

2. How did your accident occur?

____________________________________________________________________________________________________
________________________________________________________________________________________________________________________________________________________________________________________________________

3. What was your experience like in the hospital?

____________________________________________________________________________________________________
________________________________________________________________________________________________________________________________________________________________________________________________________

Keywords to Describe Your Experience:


4. How long were you in your cast?

   *0-1 Week= _____   *2-4 Weeks= _____   *4-6 Weeks= _____   *6+ Weeks= _____

5. How did your accident change what you could do?

Name: ________________________
Date: ________________________
Bone Activity #2: Classroom Broken Bone Report

1. Number of Students Who **Have** Broken a Bone: ______ Students
   Number of Students Who **Have Not** Broken a Bone: ______ Students

2. How did these accidents occur?

   * ______________________ = _____ Students
   * ______________________ = _____ Students
   * ______________________ = _____ Students
   * ______________________ = _____ Students
   * ______________________ = _____ Students
   * __________Other________ = _____ Students

3. What are some key words to describe your experiences in the hospital?

   * ______________________ = _____ Students
   * ______________________ = _____ Students
   * ______________________ = _____ Students
   * ______________________ = _____ Students
   * ______________________ = _____ Students
   * __________Other________ = _____ Students

4. How long were you in your cast?

   *0-1 Week= _____ Students
   *2-4 Weeks= _____ Students
   *4-6 Weeks= _____ Students
   *6+ Weeks= _____ Students

5. How did your accident change what you could do?
Bone Activity #2: Classroom Broken Bone Chart #2

Title -

Number of Students

0-5          6-10        11-15        16-20        21-25          26+

#1              #2              #3             #4               #5

Student Responses (*See Key)
<table>
<thead>
<tr>
<th>Option Number</th>
<th>#1</th>
<th>#2</th>
<th>#3</th>
<th>#4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</table>
### Bone Activity #2: Student Response Key - Chart #2

<table>
<thead>
<tr>
<th>Title:</th>
<th>Option Number</th>
<th>#1</th>
<th>#2</th>
<th>#3</th>
<th>#4</th>
</tr>
</thead>
</table>

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1. What bone did the patient break?

________________________________________
________________________________________
________________________________________

2. Where did the injury occur?

________________________________________
________________________________________
________________________________________

3. How did the injury occur?

________________________________________
________________________________________
________________________________________

4. What did the x-ray appear to show?

________________________________________
________________________________________
________________________________________

5. How does this image differ from a healthy skeletal bone?

________________________________________
________________________________________
________________________________________

6. What course of treatment is suggested so that the patient may recover?

________________________________________
________________________________________
________________________________________
My Pretzel Skeleton

Bone Activity #3: Salt Dough Skeleton Bone Labels

Bone #1
Bone #3
Bone #5
Bone #4
Bone #

Bone #2

My Pretzel Skeleton
by

Bone #
The Human Skeleton is composed of a special connective tissue called bone.

There are \textbf{206} bones in the human body!