Live Like an Animal Activity –
Design Your Animal Shelter Worksheet

Design Process Directions
Follow this worksheet to organize your design process.

1. **Define the Problem:** We are designing a human structure that will resemble shelters used by
   the __________________ class of vertebrates.

2. **Gather Information:** In the table below, record information that you have researched about
   animals in this class. Record at least 3 types of shelters. For each shelter, list at least 4-5
   important features.

<table>
<thead>
<tr>
<th>Animal</th>
<th>Shelter</th>
<th>Important Features of Shelter</th>
</tr>
</thead>
<tbody>
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</table>

3. **Brainstorm Ideas:** List all of the ideas that your group has for a shelter you could design.
   Although the ideas must relate to the information you have gathered above, the ideas can be
   as silly or wild as you can imagine. ____________________________________________

   ____________________________________________
   ____________________________________________
   ____________________________________________
   ____________________________________________
   ____________________________________________

Life Science: Lesson 3, Live Like an Animal Activity – Design Your Animal Shelter Worksheet
4. **Select a Design:** After discussing all of the ideas, select the most promising idea. Write a brief description below.

___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

5. **Sketch idea:** In the space below, draw a sketch of your idea. Include dimensions (the size) of your shelter.


6. **Materials:** What do you need to build your prototype (scaled model)?

___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

7. **Group Name:** Now that you have decided on what you are going to build, come up with a name for your group (engineering design firm name) and your product (the building).

   We are the _____________________________ engineering design firm, and we will be building a structure called _________________________________.

   _____________________________