Name Block

Date Group

**My Sustainable House**

<http://mysusthouse.org/game.html>

**Introduction-What is Sustainability?**-Sustainability is using energy and resources efficiently so that there is less harm to the environment. The idea is to leave the environment is as good or better condition than we found it for future generations.

Energy is used daily for

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Transport
3. Water
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Making materials to build homes

Fossil Fuels are the main source of Energy

PROBLEMS WITH FOSSIL FUELS

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Environment Game-**Since our houses are the greatest users and wasters of energy making informed choices about how we live in our houses could help the environment.

Record information about your choices below:

1. Location
   1. Where did you choose to live? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Energy
   1. Name the major type of nonrenewable energy use in homes. \_\_\_\_\_\_\_\_\_\_\_\_
   2. List two types of renewable alternatives\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. Record your energy saving choices below.

|  |  |
| --- | --- |
| Ways to Save Energy | Information |
|  |  |
|  |  |
|  |  |

1. Water
   1. List 3 ways you use energy in your home. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. To reduce water use we need to conserve and recycle. What is the difference?
   3. Record your water reducing choices below.

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| --- | --- |
| Ways to Reduce Water Use | Information |
|  |  |
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1. Waste
   1. What is meant by “embodied energy”?
   2. How do insulating materials prevent us from wasting energy?
   3. Record your choices to reduce waste below.

|  |  |
| --- | --- |
| Ways to Reduce Waste | Information |
|  |  |
|  |  |
|  |  |

**Calculating Your Score**

|  |  |
| --- | --- |
| Location |  |
| Energy |  |
| Water |  |
| Waste |  |
| Bonus |  |
| TOTAL |  |