

## Interior Design - Sustainability Lesson

1) Log into computer

2) Go to Google Chrome

3) Log into

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

After listening to the introduction, I learned the following 3 things about sustainability.

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

After playing the game "The Environment Game", I learned the following 3 things about sustainability.

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

I scored \_\_\_\_\_

After playing the game "The Building Game", I learned the following 3 things about sustainability.

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

I scored \_\_\_\_\_

Name: \_\_\_\_\_

## Environment Game

1. What location uses less energy according to the video? Why is location important?
2. What are examples of fossil fuels? Can they be reused?
3. What are some examples of renewable energy?
4. What are some ways to be more energy efficient?
5. Clean water used in homes is expensive. How can we use less water in our homes?
6. What is embodied energy?
7. Why are local materials better to use for building?

What was your score for the activity? \_\_\_\_\_

Did you score well? Why or why not?

Name: \_\_\_\_\_

## Building Game

1. Out of the following options, which one did you select for each step:

Step 1: Flooring---Cement or Wooden Floorboards? Did you make a good choice? Why or why not?

Step 2: Walls---Wood, Brick and Concrete Blocks, Straw Bale and Green Wood Frame? Did you make a good choice? Why or why not?

Step 3: Window Frames---Aluminum, Soft Wood, or Plastic? Did you make a good choice? Why or why not?

Step 4: Window Glass---Single Glazing, Double Glazing, Triple Glazing? Did you make a good choice? Why or why not?

Step 5: Insulation---Mineral Flore, Wool, Cellulose? Did you make a good choice? Why or why not?

Step 6: Roof---Concrete tiles, Slate, Thatch? Did you make a good choice? Why or why not?

Step 7: Heat the House---Solar, Wind, Mains Power? Did you make a good choice? Why or why not?

Step 8: Heat and Water---Gas, Wood, Geothermal? Did you make a good choice? Why or why not?

What was your score for the activity? \_\_\_\_\_

How much money did you have left in your budget, if any? \_\_\_\_\_

Now move on to play the "Town Game" located on the same website.

After playing the game "The Town Game", I learned the following 3 things about sustainability.

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

I scored \_\_\_\_\_

Please write a paragraph to answer each question.

**1. What is substantiality and how does it impact housing location and design?**

**2. What ways can I practice substantiality to conserve energy in my home?**

**3. What is efficiency and how does it impact housing?**