Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_\_

 **ENERGY EFFICIENT DWELLING**

**Project Planning**

**Goal:**

To design an affordable, energy efficient, self-sustaining home using alternative materials, heating and cooling systems, electrical, etc…

**Things to Consider**:

|  |  |
| --- | --- |
| What is the local climate  of the new home site? |  |
| What new technologies  will be incorporated? |  |
| What type of design will  the home be? |  |

**Things to Include:**

**BUILDING MATERIALS:**

|  |  |
| --- | --- |
| Construction materials |  |
| Insulation |  |
| Windows |  |
| Roofing |  |
| Foundation |  |
| Use of recycled  materials |  |

**ENERGY:**

|  |  |
| --- | --- |
| Heating |  |
| Electricity |  |
| A/C |  |
| Appliances |  |
| Hot water |  |
| Energy Storage |  |

**WASTE:**

|  |  |
| --- | --- |
| Sewage |  |
| Garbage |  |
| Recycling |  |
| Compost |  |
| Grey water |  |

**LANDSCAPE**:

|  |  |
| --- | --- |
| Direction of House |  |
| Trees |  |
| Xerioscaping |  |
| Hills |  |
| Creeks/ponds |  |
| Lawns |  |

**WATER:**

|  |  |
| --- | --- |
| Source |  |
| Storage |  |
| Irrigation |  |
| Erosion control |  |

**INTERIOR DESIGN:**

Design for energy efficiency