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

![MPj04373650000[1]]() **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