

Engineers: \_\_\_\_\_ and \_\_\_\_\_ Date: \_\_\_\_\_

# Climate Appropriate House Design

City: \_\_\_\_\_ Country: \_\_\_\_\_

Climate description:  arctic/snowy  desert/hot  tropical/rainy  other \_\_\_\_\_

Number of rainy/snowy days each year: \_\_\_\_\_

Latitude: \_\_\_\_\_ Altitude: \_\_\_\_\_

Summer average temperature: \_\_\_\_\_

Winter average temperature: \_\_\_\_\_

Our engineering challenge for our house:



Characteristics that our house and roof need to have: \_\_\_\_\_

**Rough Sketch:** (Draw the house and roof; label its parts and materials.)

After testing, what adjustments do you need to make to the design? \_\_\_\_\_

**Final Design:** (Use the back of this paper if you need more space):

*Top View (floor plan)*

*Side View*

