Climate Appropriate House Design Worksheet

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