

Arch 463
ECS
Fall 2016

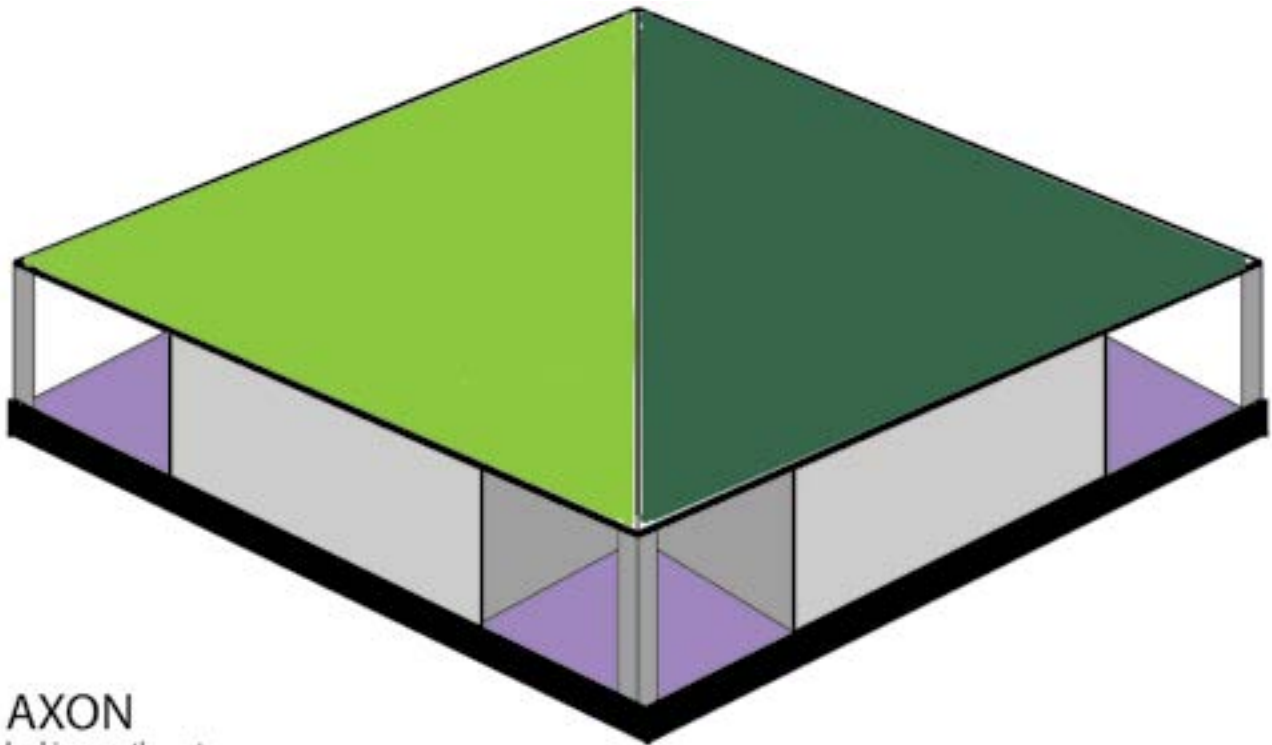
Name _____

Quiz #1

"Migration Patterns near Moscow"

For this problem you are the climate consultant and migration choreographer for a new home owner. The home is sited on flat site near the Moscow-Pullman airport. There are no strong microclimatic effects caused by the site location or topography.

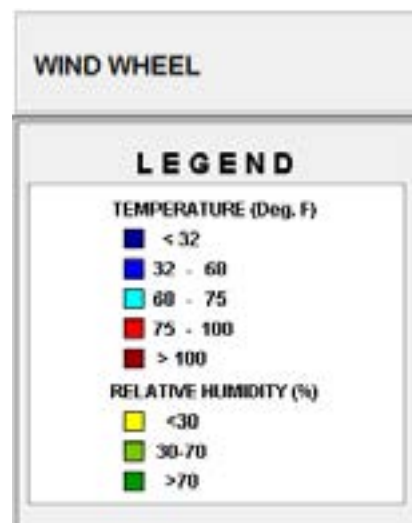
Climate Context. Summer and winter climate analyses are given in this quiz.



AXON
looking northwest

Modular Design. The home has a crucifix plan with a porch at each corner. The roof extends above each porch.

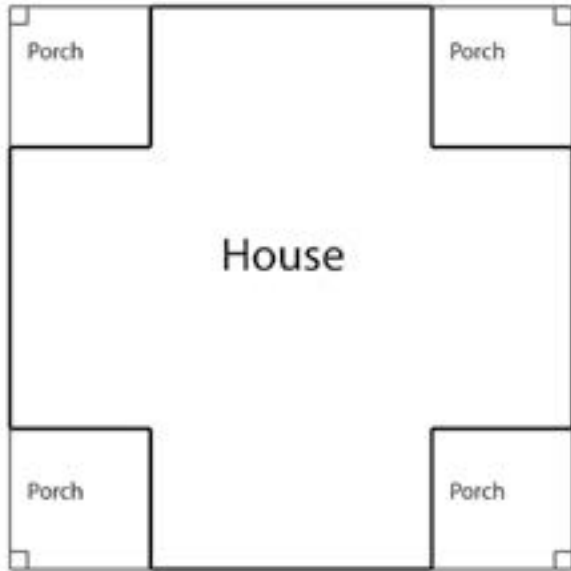
Homeowner's Goal. The home owner wants advice on which porch to occupy in comfort 1) for his morning coffee and toast, 2) for noontime lunch and cold beverage, and 3) for pre-dinner or post-dinner cocktails.



3 points

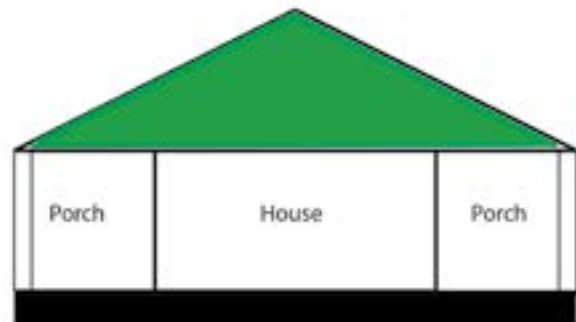
Summer Migration/Choreography

3. **Indicate on the plan below** which porch to occupy in comfort 1) for his morning coffee and toast just after sunrise, 2) for noontime lunch and cold beverage, and 3) for post-dinner cocktails. **Explain** why each chosen location is ideal for its time of day and season.



PLAN (north is up)

AM



ELEVATION

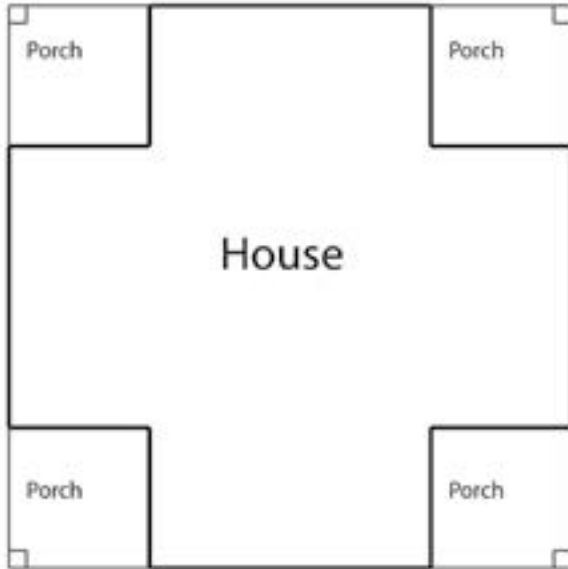
Noon

PM

3 points

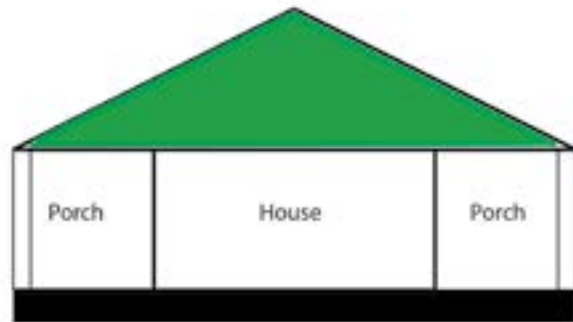
Winter Migration/Choreography

4. **Indicate on the plan below** which porch to occupy in comfort 1) for his morning coffee and toast just after sunrise, 2) for noontime lunch and cold beverage, and 3) for pre-dinner cocktails. **Explain** why each chosen location is ideal for its time of day and season.



PLAN (north is up)

AM



ELEVATION

Noon

PM