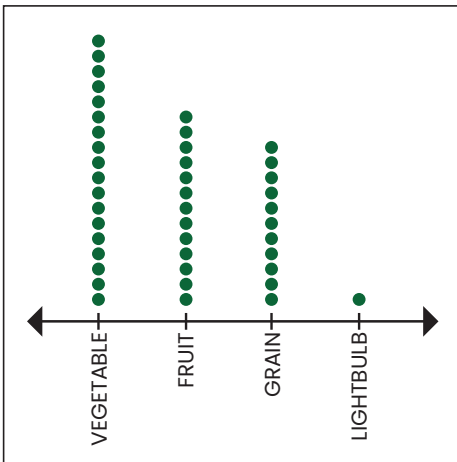


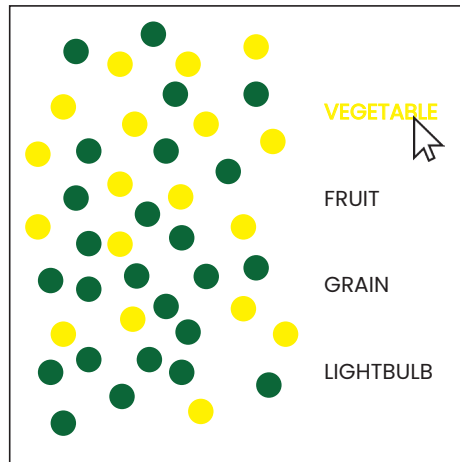
In my final project I would like to compare the American household's yearly production of CO<sub>2</sub> with a mature trees ability to absorb it. In order to do this, CO<sub>2</sub> of both trees and everyday goods will be measure in pounds. I would like to visualize this data because seeing the numbers regarding CO<sub>2</sub> may seem insignificant, I think that converting these numbers into single trees will help the viewer better understand the severity of CO<sub>2</sub> production in everyday life. I will use the statistic that a mature tree is capable of absorbing up to 48 pounds a year of CO<sub>2</sub> in order to visualize how many (mature) trees you would need to plant every year in order to neutralize the large amounts of CO<sub>2</sub> created by everyday objects. For instance, the use (including production and transportation) of dairy products for the average household creates 3375.05 pounds of CO<sub>2</sub> each year, to counteract this CO<sub>2</sub> you will need 70 mature trees. At the end of this project I plan to have a shocking visualization of the scale of the forest needed to absorb the amount of CO<sub>2</sub> put into the atmosphere by the Average American home.

I could not find all this data in one place, therefore to create a spreadsheet I am collecting this data from several different sources. Also, I cannot find any sources that compare the data directly to trees so I am also doing this math myself.

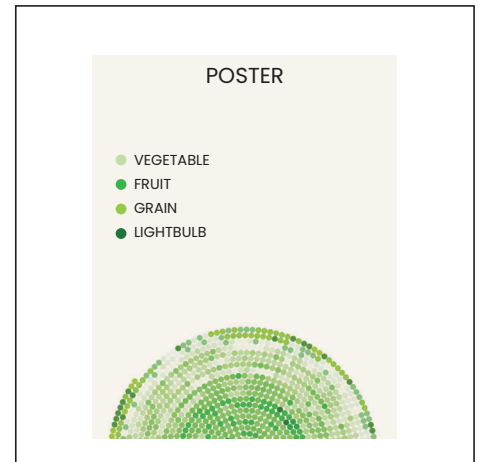
SKETCH 1



SKETCH 2



SKETCH 3



\*\*This circular design was online but I would like to do something like this.

DO YOU EAT DAIRY PRODUCTS?

YES

NO

DO YOU EAT VEGETABLES?

YES

NO

DO YOU USE A DISHWASHER?

YES

NO

DO YOU HAVE FRIDGE?

YES

NO

DO YOU EAT CHICKEN?

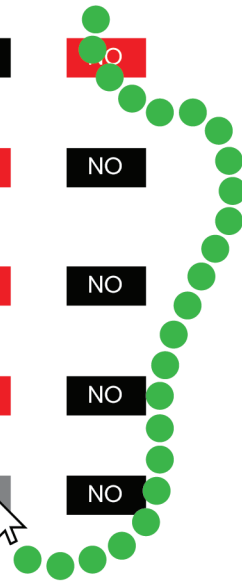
YES

NO

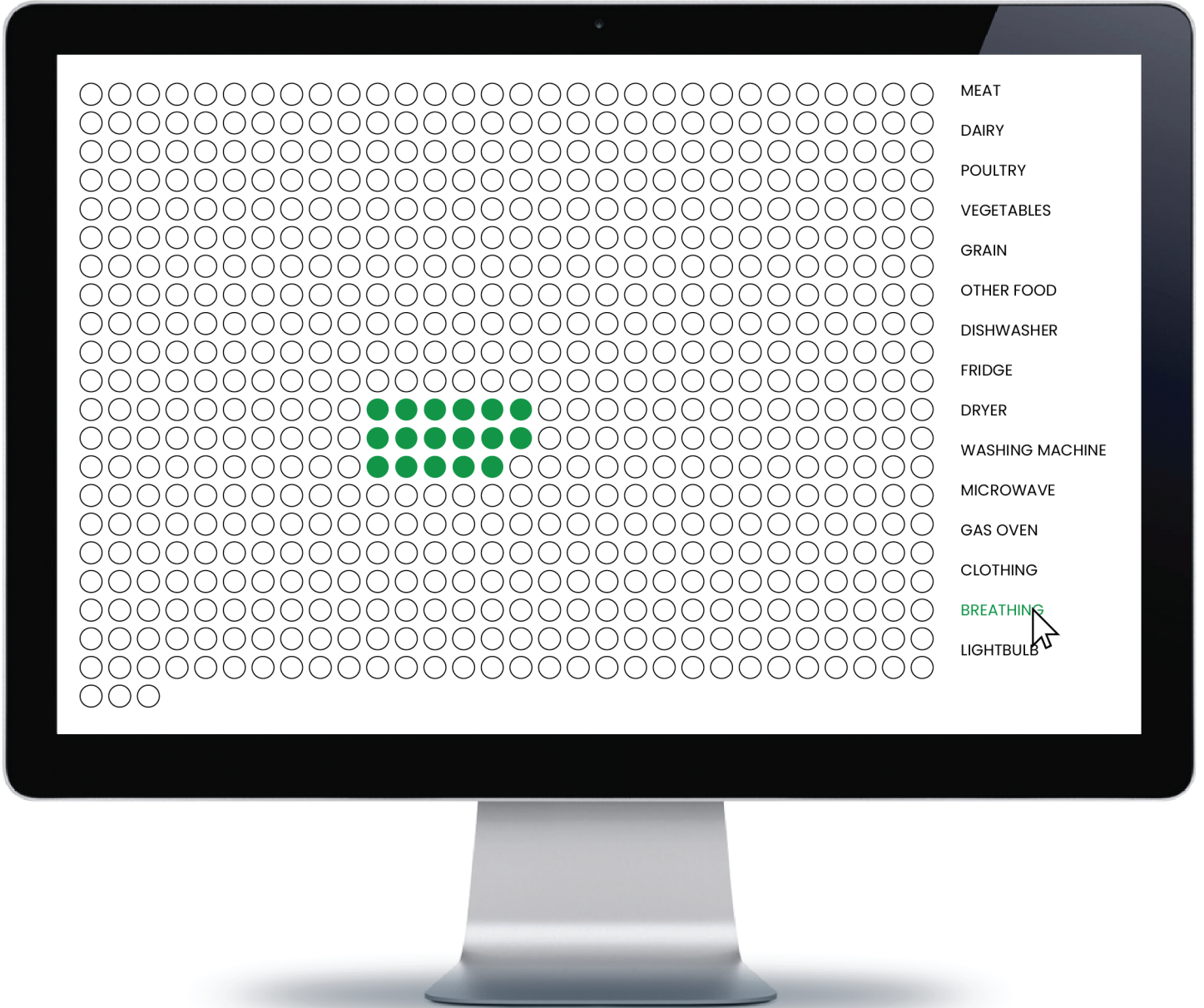
DOES YOUR HOME USE LIGHTBULBS?

YES

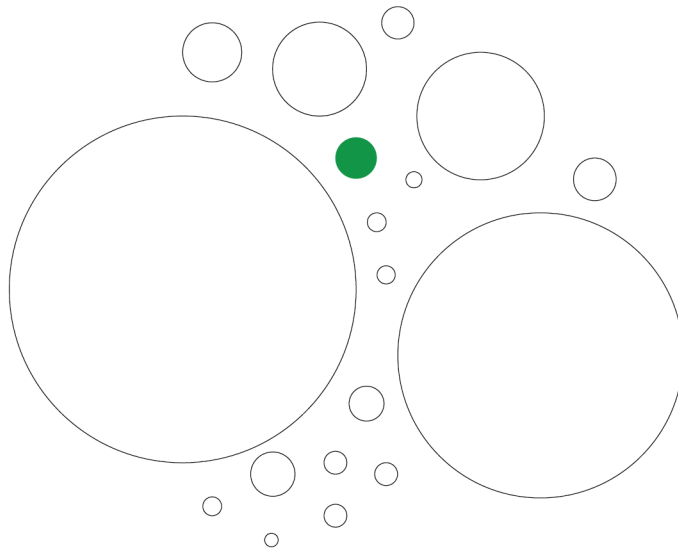
NO







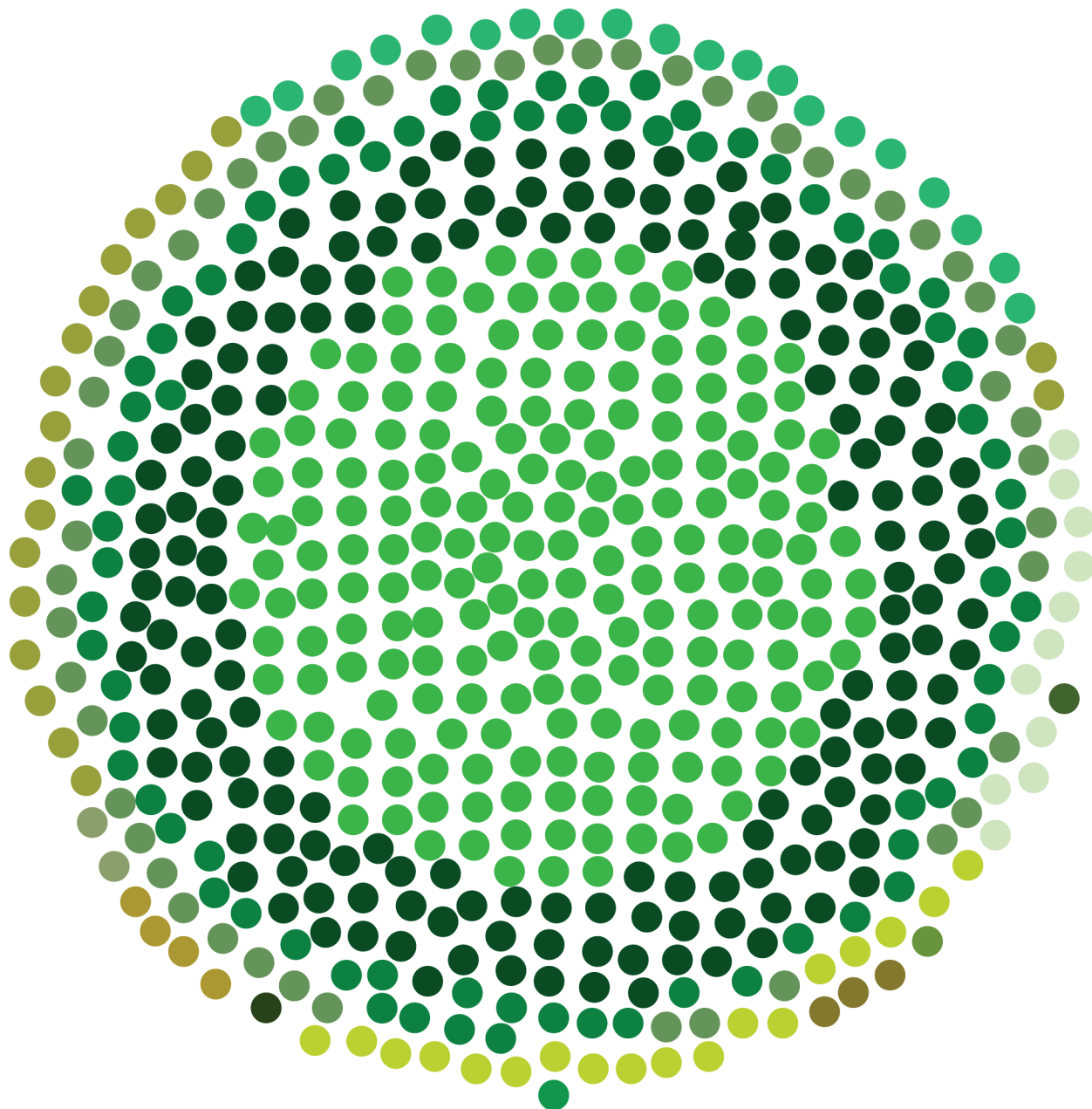
- MEAT
- DAIRY
- POULTRY
- VEGETABLES
- GRAIN
- OTHER FOOD
- DISHWASHER
- FRIDGE
- DRYER
- WASHING MACHINE
- MICROWAVE
- GAS OVEN
- CLOTHING
- BREATHING
- LIGHTBULB

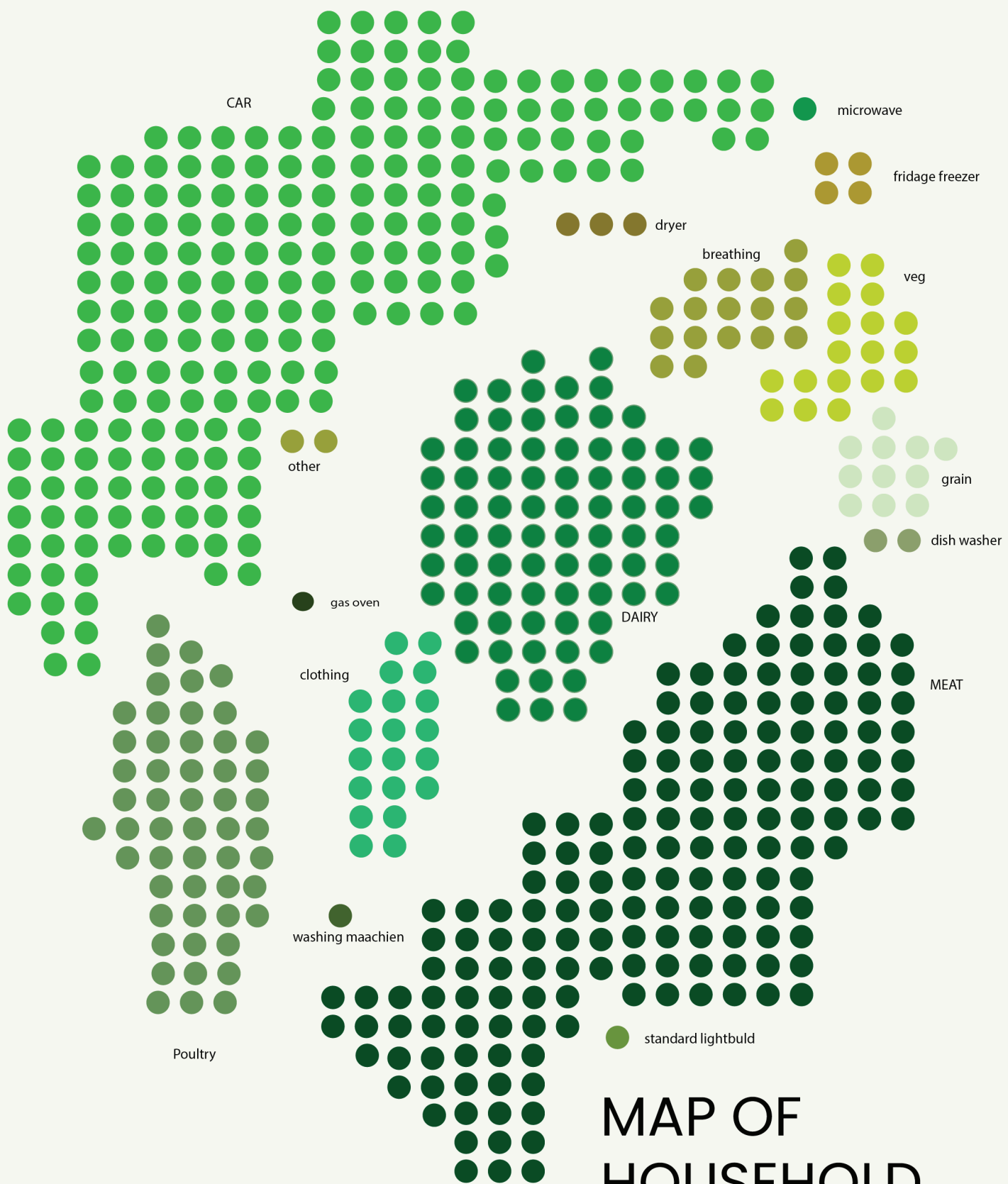


- MEAT
- DAIRY
- POULTRY
- VEGETABLES
- GRAIN
- OTHER FOOD
- DISHWASHER
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- WASHING MACHINE
- MICROWAVE
- GAS OVEN
- CLOTHING
- BREATHING
- LIGHTBULB



# It takes a mature forest to absorb the CO2 produced yearly in the average American home...





# MAP OF HOUSEHOLD CO2 STATE PARK