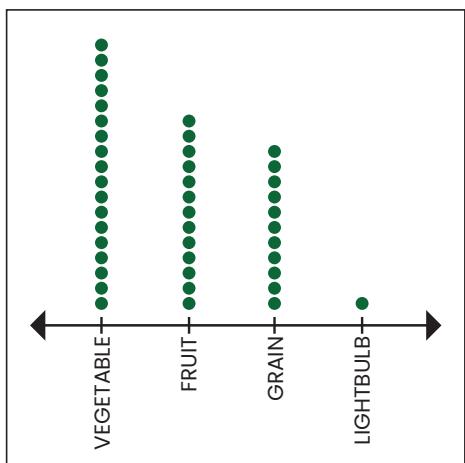


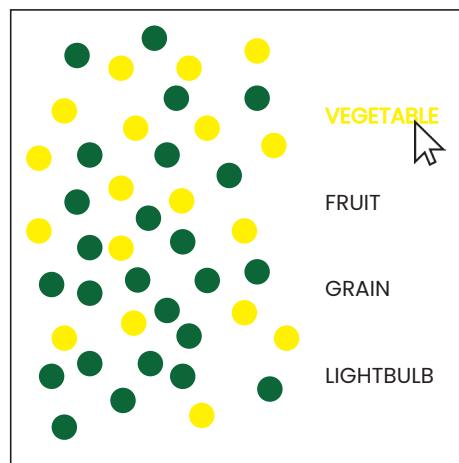
In my final project I would like to compare the American household's yearly production of CO₂ with a mature trees ability to absorb it. In order to do this, CO₂ of both trees and everyday goods will be measured in pounds. I would like to visualize this data because seeing the numbers regarding CO₂ may seem insignificant, I think that converting these numbers into single trees will help the viewer better understand the severity of CO₂ production in everyday life. I will use the statistic that a mature tree is capable of absorbing up to 48 pounds a year of CO₂ in order to visualize how many (mature) trees you would need to plant every year in order to neutralize the large amounts of CO₂ created by everyday objects. For instance, the use (including production and transportation) of dairy products for the average household creates 3375.05 pounds of CO₂ each year, to counteract this CO₂ 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 CO₂ 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.

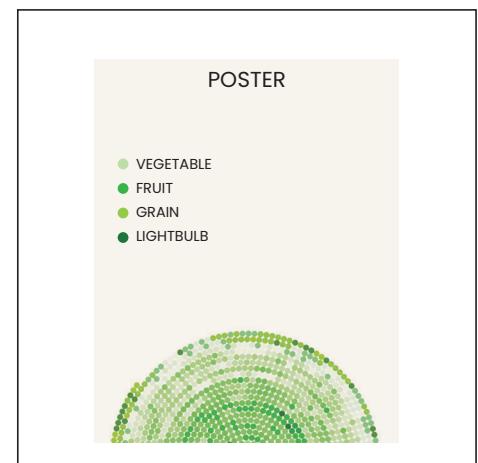
SKETCH 1



SKETCH 2



SKETCH 3



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



CLICK ON ITEMS YOU USE TO SEE HOW MANY TREES YOU NEED TO PLANT THIS YEAR!

380

fish, poultry, seafood, eggs

grain ooooooooooooo

other foods 00

Microwave ○

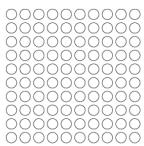
washing machine

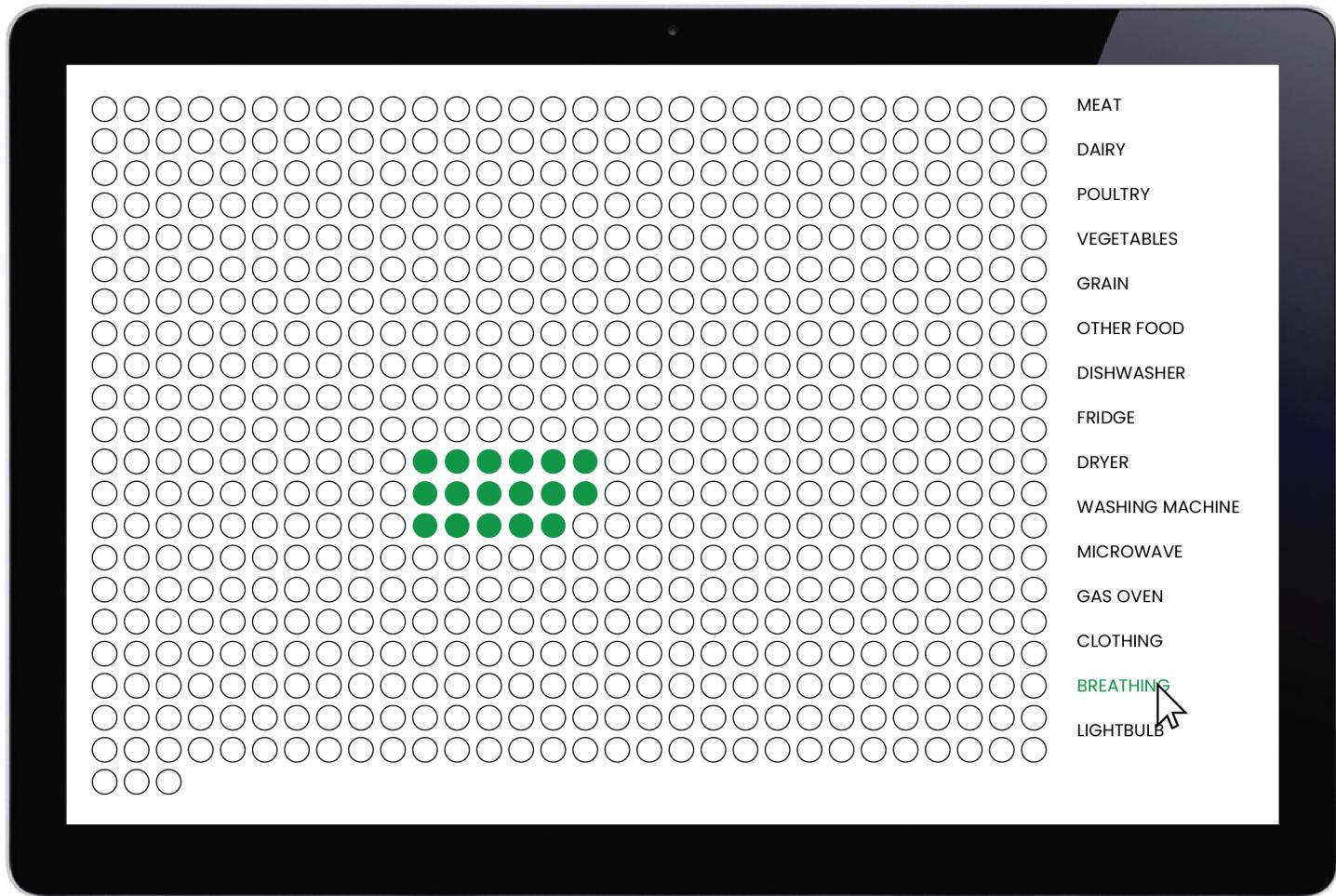
A vertical column of three solid green circles, representing a dryer.

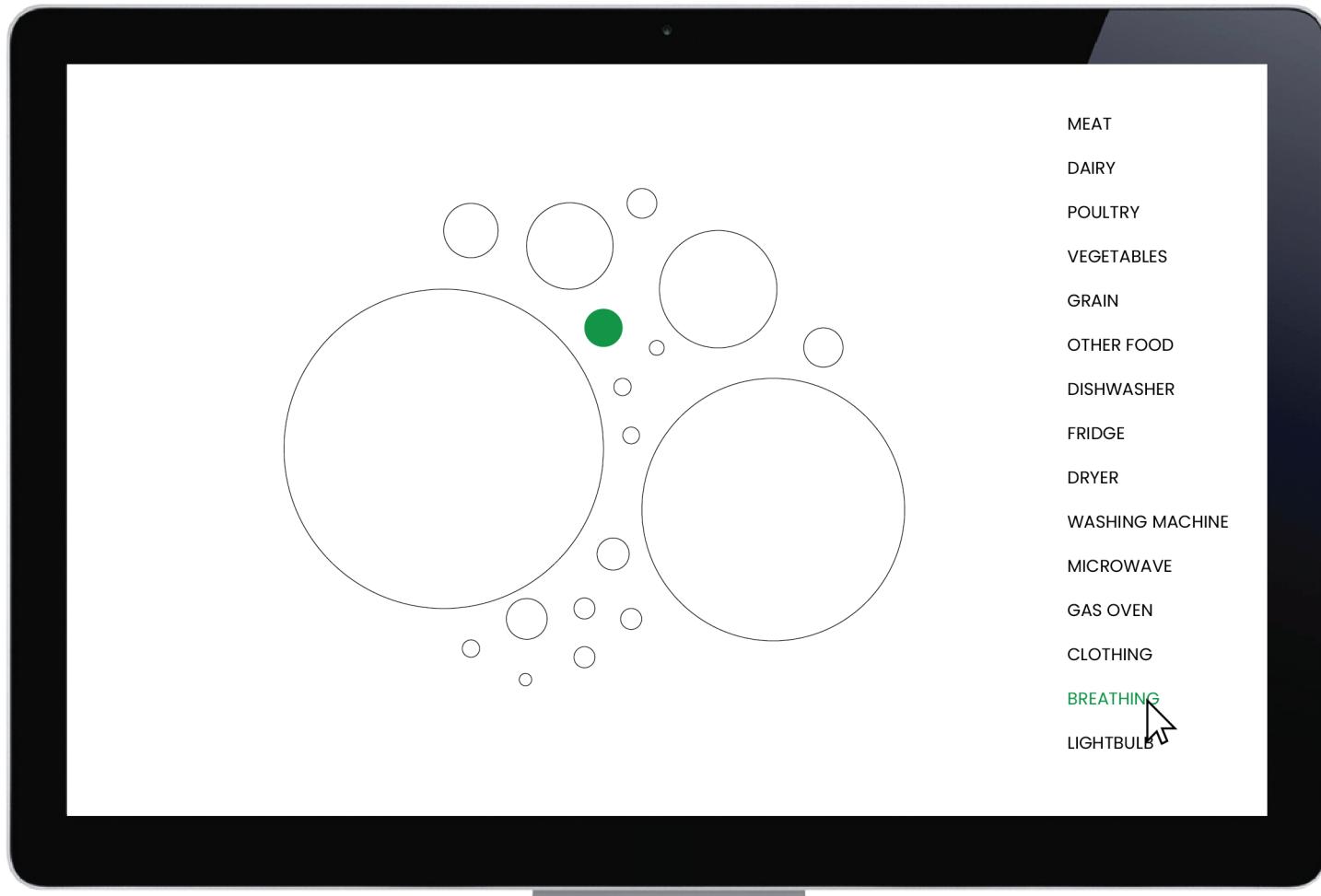
gas oven

standard light bulb ●

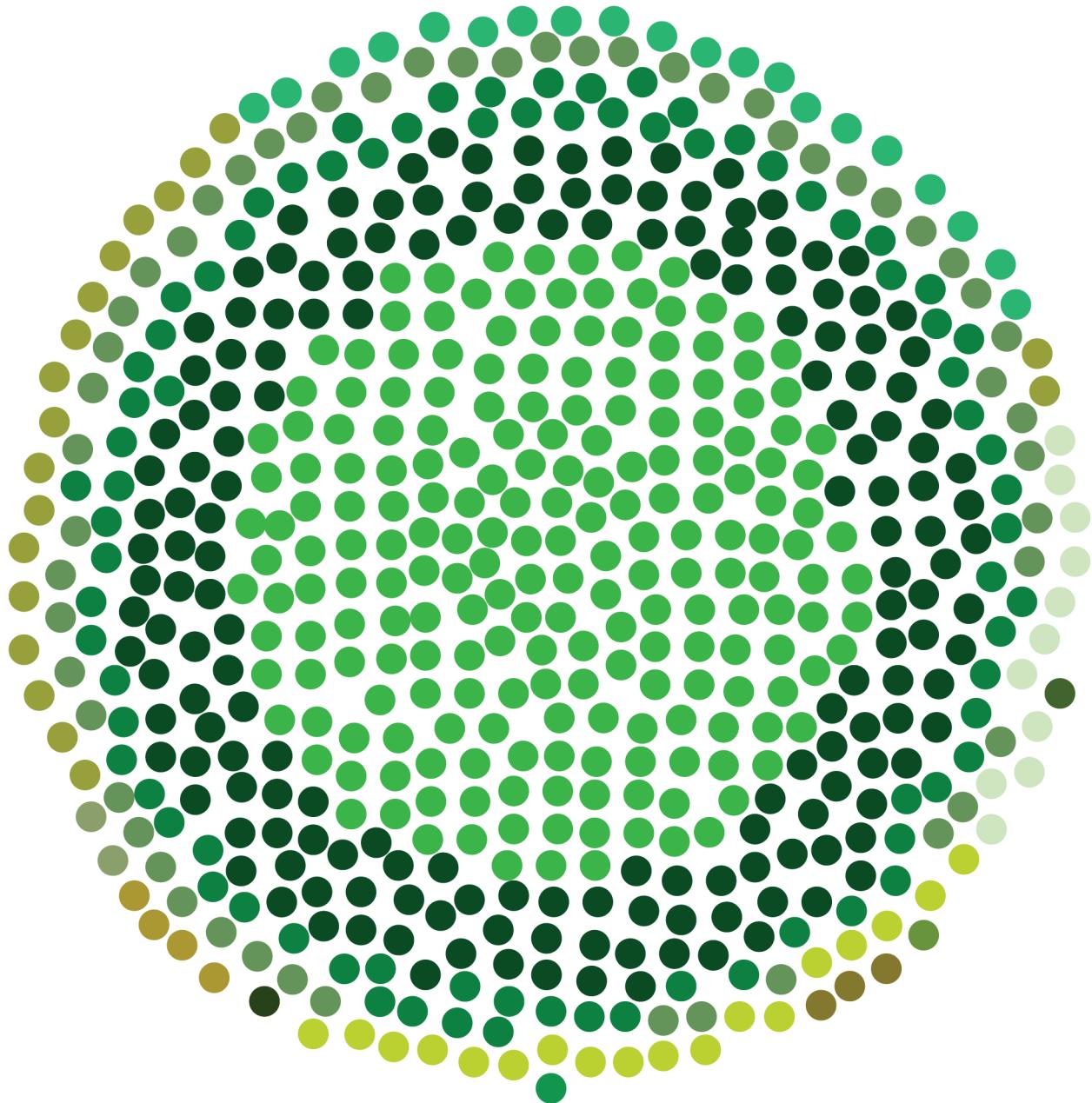
dishwasher

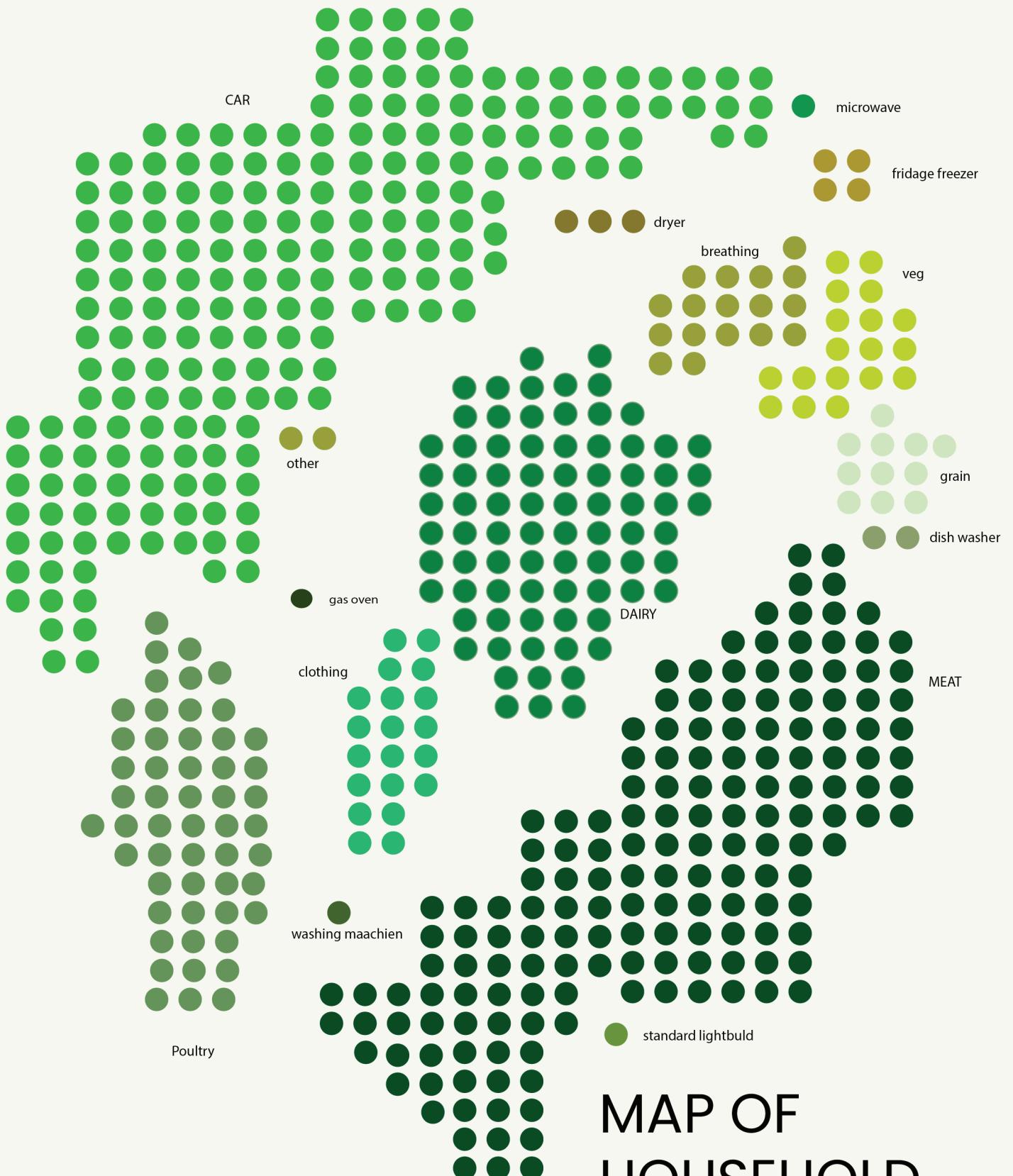






It takes a mature forest to absorb the CO₂ produced yearly in the average American home...





MAP OF HOUSEHOLD CO2 STATE PARK