

REAL SCIENCE: INQUIRY QUESTIONS FOR EXPERIMENTAL DESIGN PRACTICE I

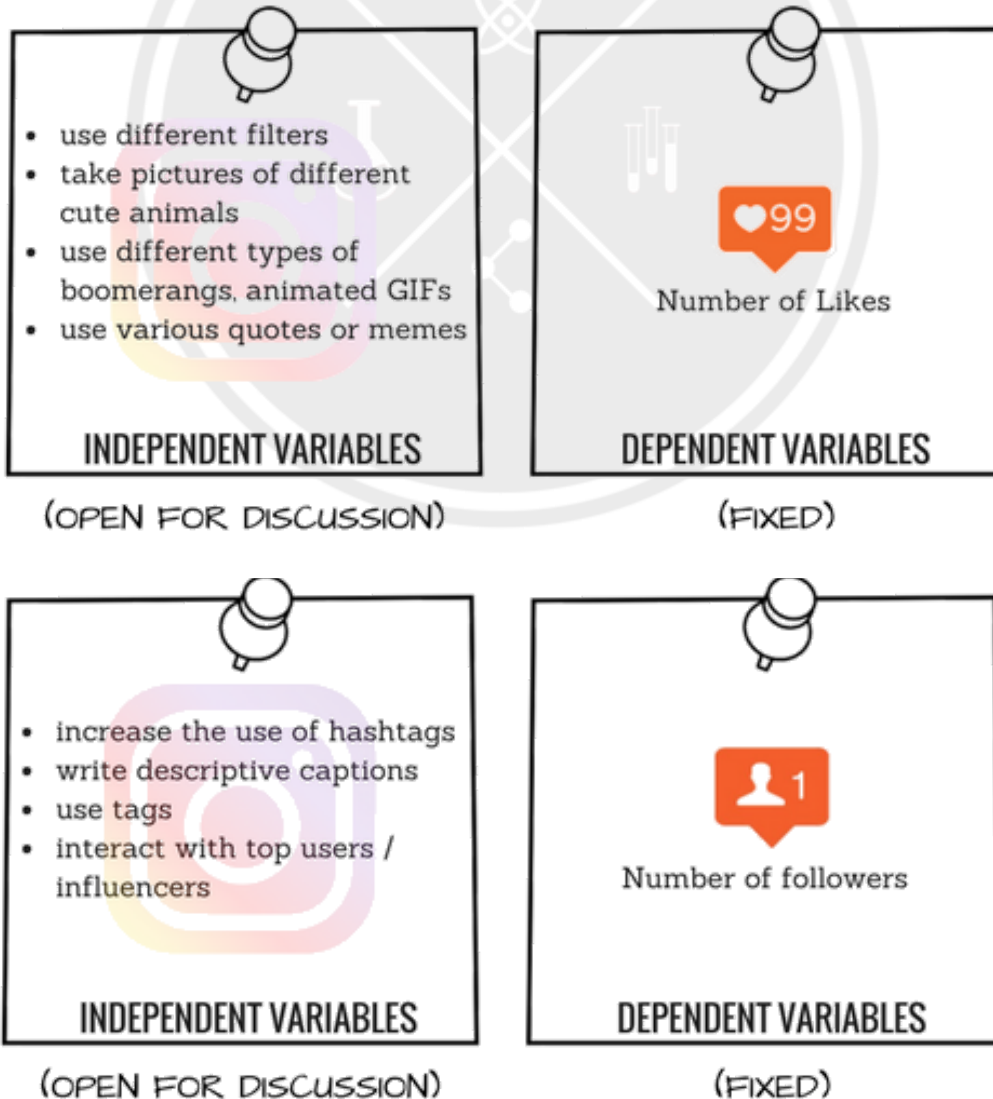
INTRODUCTION

Consider the following inquiry questions. Identify some independent or dependent variables in each case. Be specific. And, remember, variables need to be testable and measurable.

Also, in each case, one variable is already provided. Provide examples for the other.

Consider the following example...

How do you get BIG on Instagram?



Q: HOW DO YOU MAKE A NUTRITIOUS CHOCOLATE BAR?



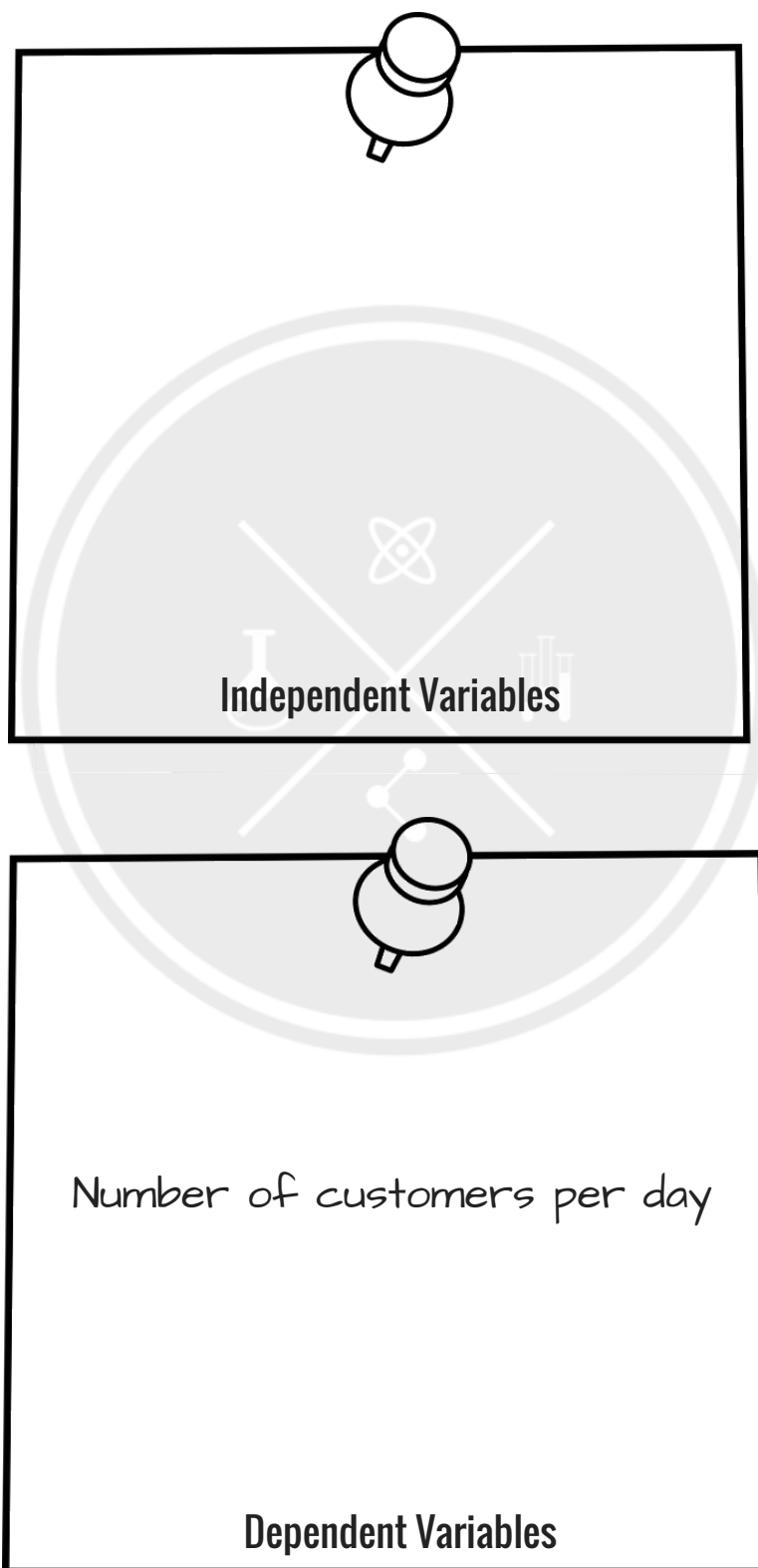
Add increasing amounts of
vitamins

Independent Variables

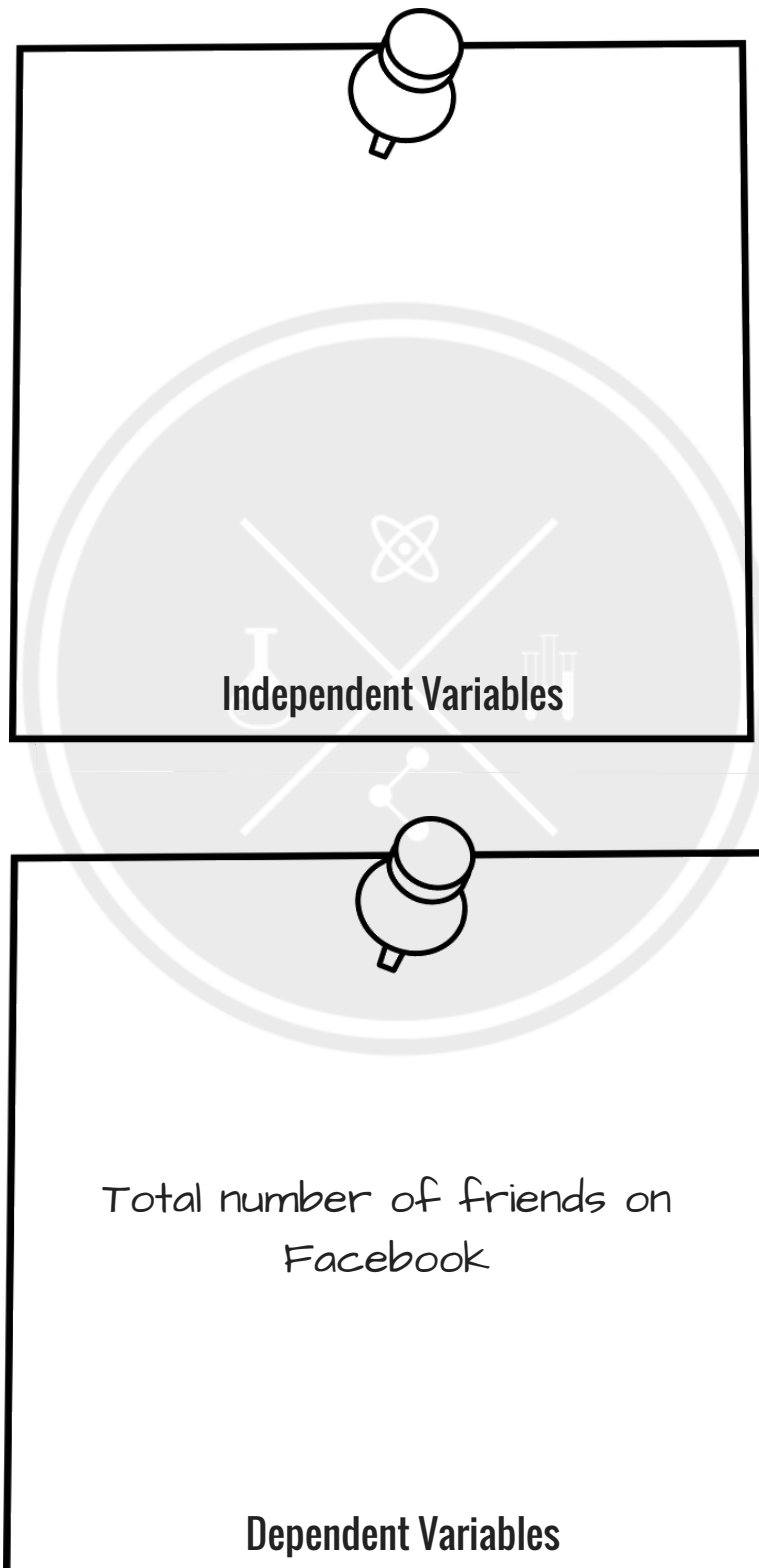


Dependent Variables

Q: HOW DO YOU CREATE AN AWESOME COFFEE SHOP?



Q: HOW DO YOU MAKE MORE FRIENDS?



Q: HOW DO YOU IMPROVE STUDENT WELLNESS?



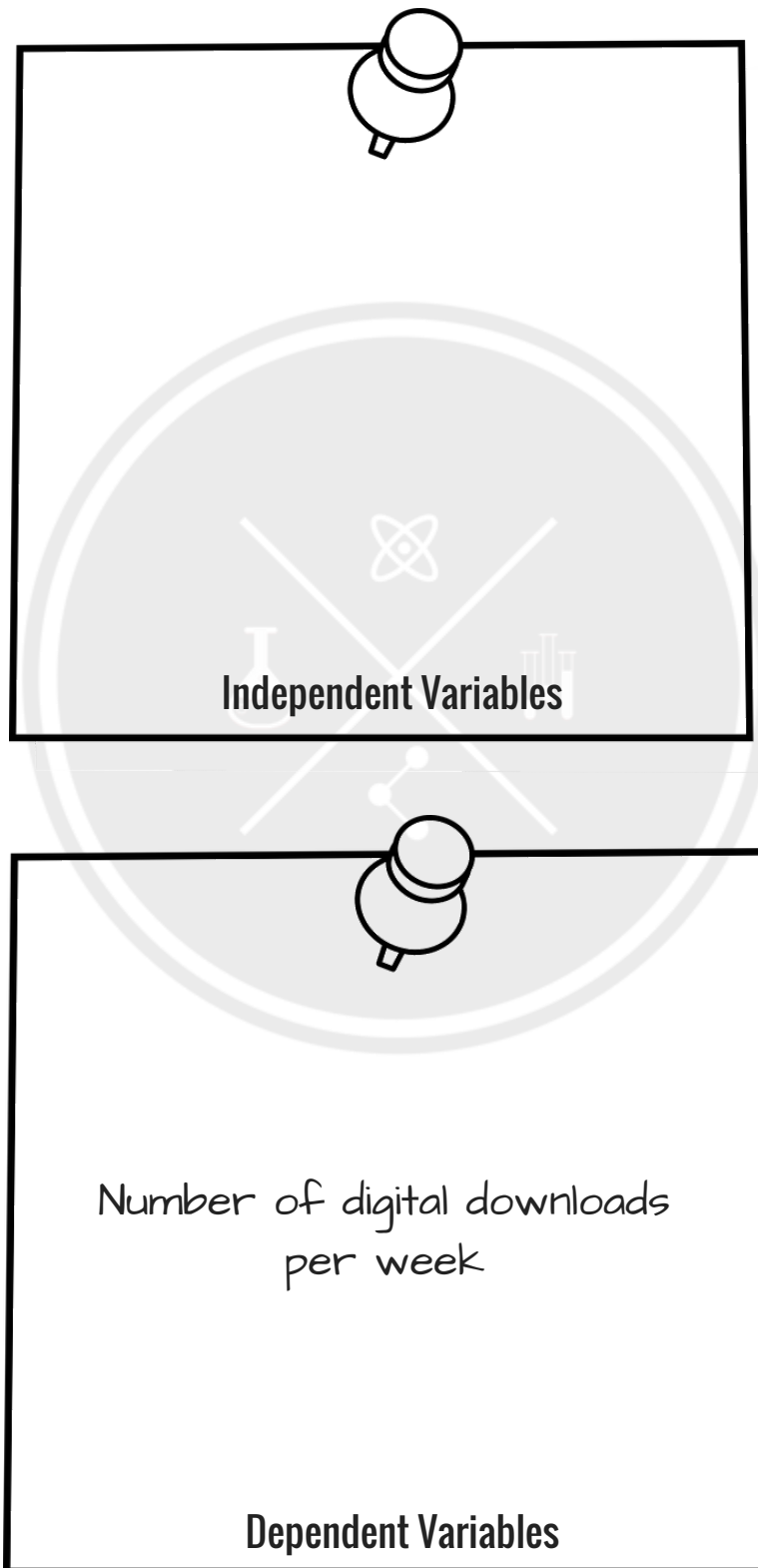
Hours of homework per day

Independent Variables



Dependent Variables

Q: HOW DO YOU MAKE THE NEXT BIG MUSIC ALBUM?



Q: HOW DO YOU MAKE A YOUTUBE VIDEO GO VIRAL?



Number of funny jokes used
per video

Independent Variables



Dependent Variables

Q: HOW DO YOU MAKE A CITY MORE ENVIRONMENTALLY FRIENDLY?

Independent Variables

Dependent Variables