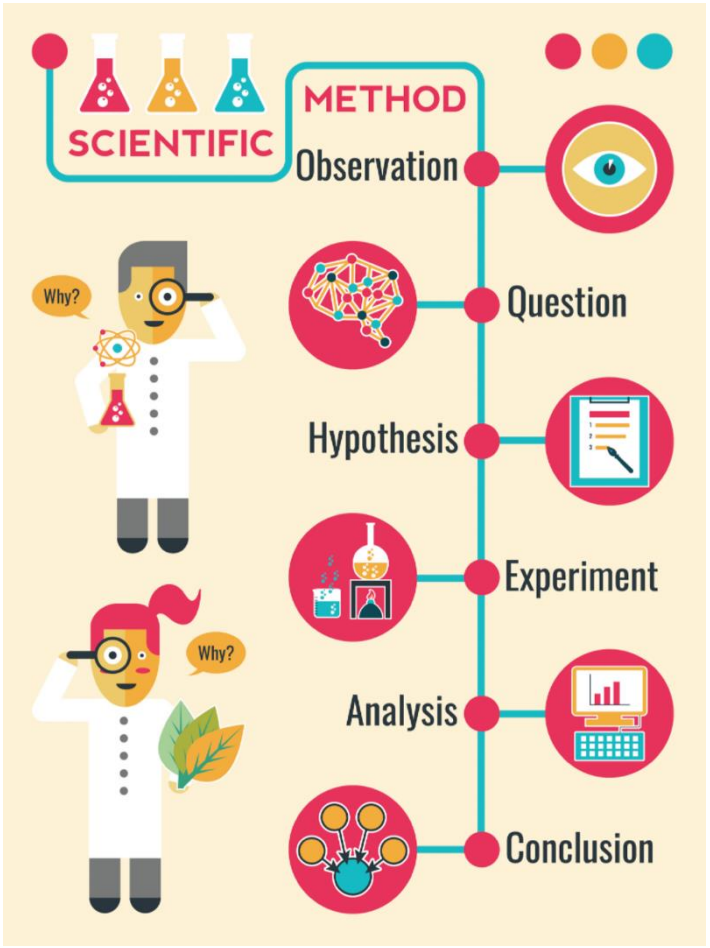
**Design your own experiment using the scientific method!**




Observation:
*The pot of plant on my windowpane died.*

Question:
*Why did my plant die?*

Hypothesis:
*My plant needs the 2 teaspoons of water to grow taller with green leaves.*

<u>Experimental design</u>

i. Independent variable: *the amount of water (1, 3, 5 cups every 3 days)*

ii. Dependent variable: *the height/size of the plant with color of leaves*

iii. Constant variable: *amount of sunlight, room temperature, size of pot, type of plant*

iv. Control: *a normal healthy pot of plant*

v. Method:
(Briefly describe your experimental design. How do you plan to conduct your experiment?)
- *I am going to plant 3 different pots of plants, and label each of them as A, B and C.*
- *Plant A will be given 1 cup, Plant B will be given 3 cups, while Plant C will be given 5 cups of water every 3 days for 2 weeks.*

Analysis:
(What outcome will you be recording? You do not have to create results for your experiment, only describe how the results will be collected.)
- *I will measure the height of each plant, and their leaves color every day.*
- *I will compare the growth of all three plants after 2 weeks.*
- *The tallest plant will be assumed to have grown best, and the amount of water given to that plant will be concluded as being the most suitable amount of water for plant growth.*