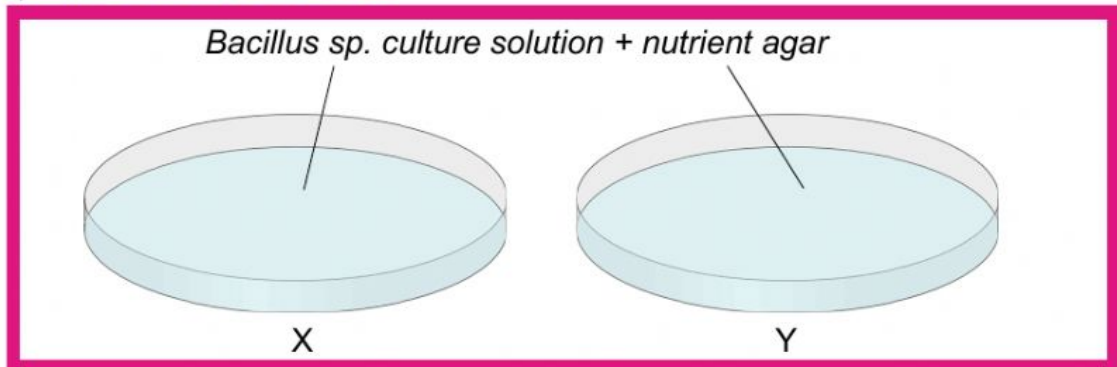


## FACTORS THAT AFFECT THE GROWTH OF MICROORGANISMS

Imagine you are going to conduct 5 sets of experiment to study the factors that affect the growth of microorganisms. You have prepared two set of petri dishes with *Bacillus* sp. culture solution and nutrient agar for every experiment as shown below.



Identify how you manipulate those experiments. Complete the table below.

**Set X is expected to restrict the growth of bacteria meanwhile set Y is aimed to give a positive result on the bacteria growth.**

Factors	X	Y
Nutrients	Use ..... agar	Use .....agar
Light	Put near a .....	Put inside a .....
Humidity	Use ..... nutrient agar	Use ..... nutrient agar
Temperature	Put inside the .....	Put in ..... .....
pH value	Add .....	Add .....

sulphuric acid	room temperature	moist	dry	cupboard
non-nutrient	window	water	refrigerator	nutrient