Microbe expert group experiments

Question: How will bacteria growth be affected by the presence of materials such as glass, plastic, aluminum, copper, and steel?

Hypothesis:

Prediction:

Variables:

Procedure

Your group will write a procedure that will explore this question. You can expose the agar plates to any type of bacteria, such swabbing a table, your hands, the floor, or the fish tank, and then swabbing the agar. It takes one or two days for the bacteria colonies to grow in the incubator (i.e., the science lab) at a temperature of 37°C. You can use glass and plastic coverslips, aluminum foil, copper foil, and steel wool. If you have ideas for other materials to use, let the teacher know. The size of the sample should be about 1 or 2 cm across. Take pictures and make a data table to compare number of bacteria colonies based on material type.