

Lab practice 01

1. How many culturable **soil/freshwater-**microbes there are **under constant light?**
2. Are there more culturable microbes in the **soil** or in the **freshwater** sample per unit of volume **under constant light?**

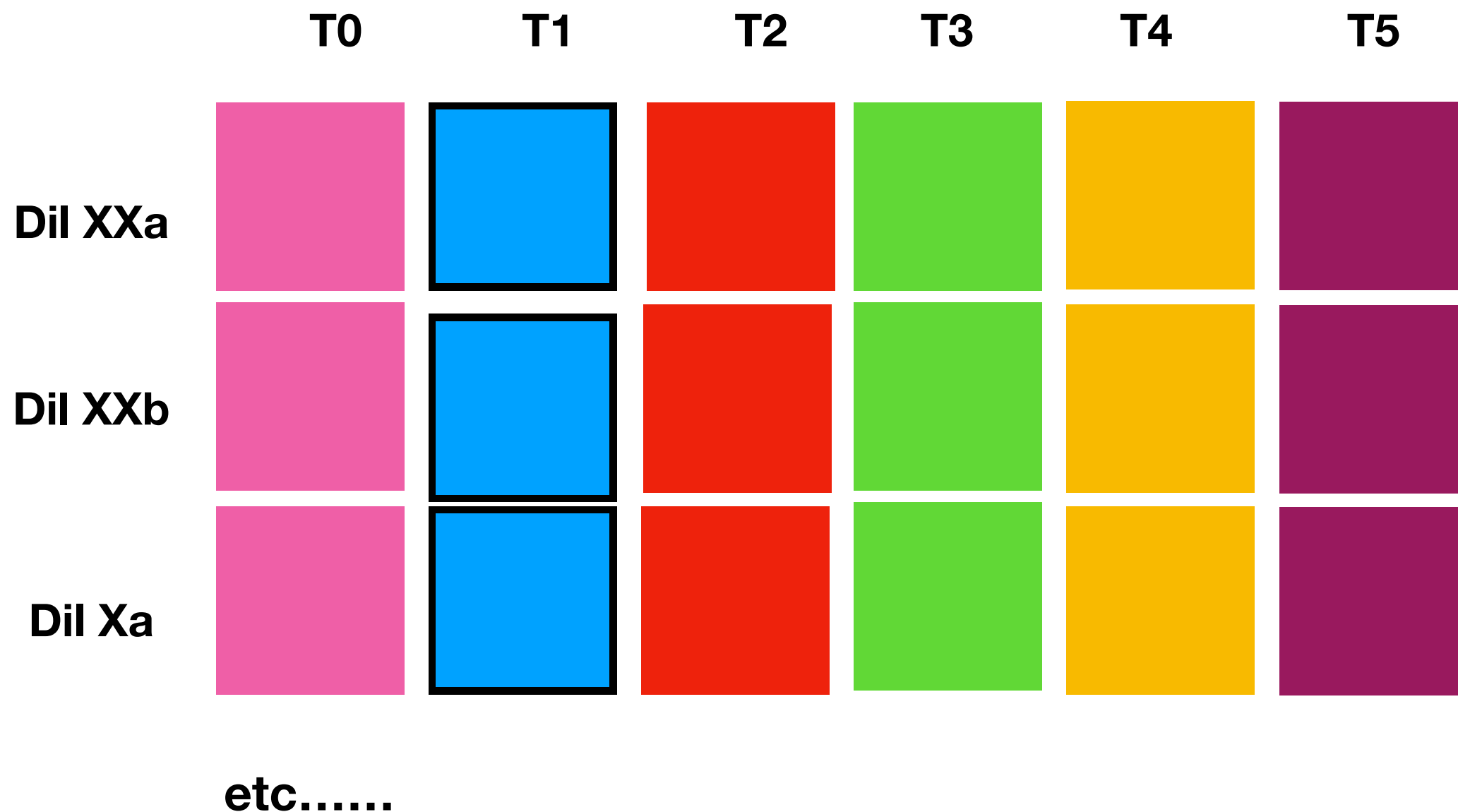
Group #

Family names

- 1. How many grams of soil did you collect and name of plant**
- 2. Location of sampled pond**

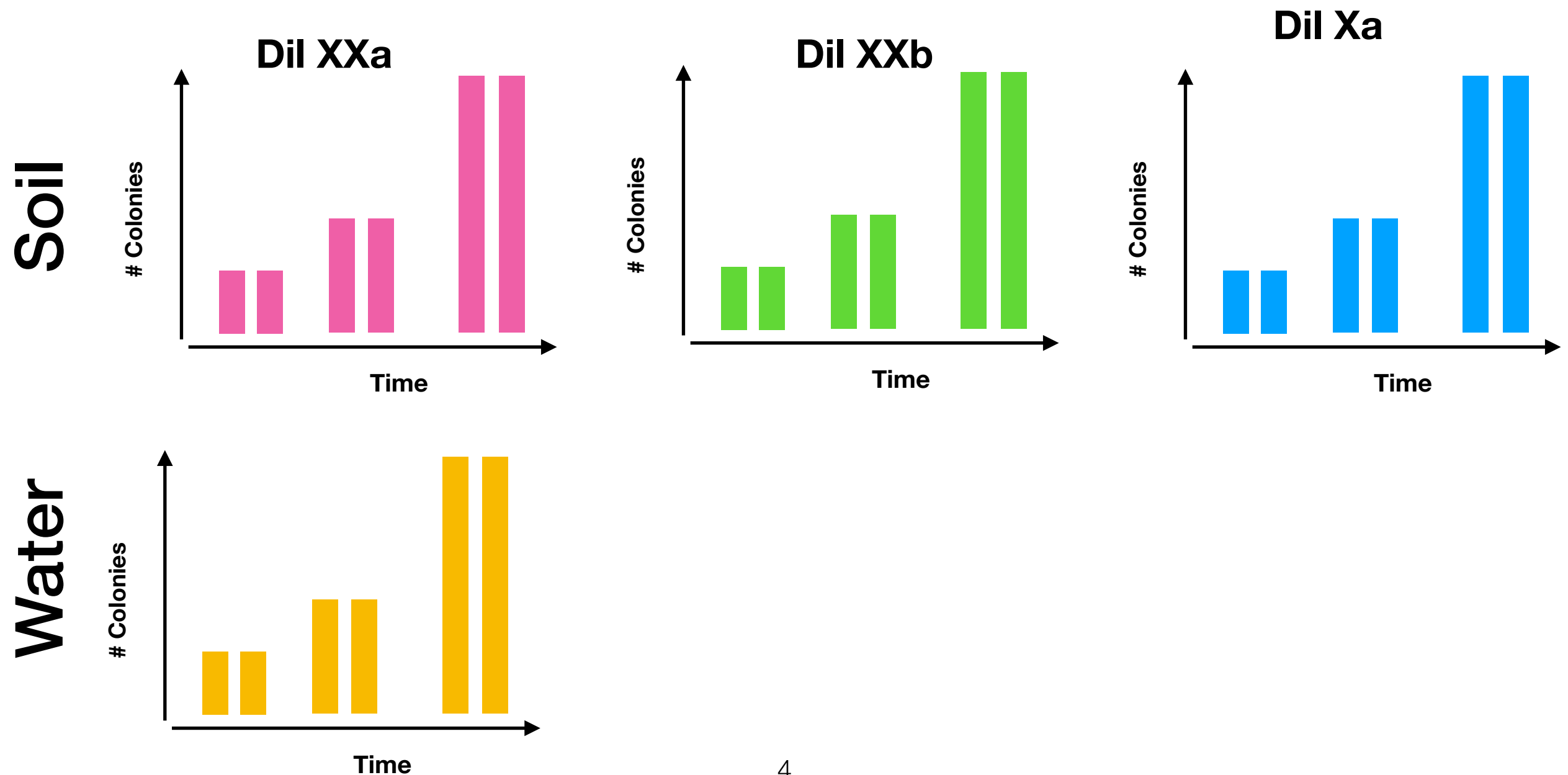
Results, A

A. Collage picture of colonies dynamic over time of soil and water from all duplicate plates



Results, B

B. Bar plot of colonies over time (T5) per dilution of soil and pond water



Results, C & D

C. In a table, estimation of CFU over time

D. Answer to Q1 e Q2

$\text{CFU/ mL} = \text{colonies forming units/mL} = \text{number of colonies} \times \text{dilution} \times \text{plated microliters (0.1 mL)}$