Exam 15.05.23

1. Primary cell culture, cell line: difference and how to obtain them?
2. What is subcultivating? Important steps for subcultivating adherent cells and which vessel needed for that?
3. Hela cells: you want to get a stable cell line with fluorescent protein, how to do this?
4. What equipment you need for BSL 2?
5. What is bioreactor? Why and how to use in cell culture?
6. Tripotential differentiation assay: what is it and steps?
7. 4 statements and some of them are true: you have to mark which are true:
   - cell differentiation in reverse is not possible
   - Most used Buffer system: Bicarbonate/CO2 buffer
   - Cell line subcultured at 37°C in laminar flow
   - Cryoprotectant: 1°C/min
   - Forgot the last one