Exam Questions – Part 2 – Unbound task Elective Subject Conducting microbiological operations

Questions from the "PAL Prüfungsbuch" Conducting microbiological operations All tasks are to be scored with 10 to 0 points

1	•

Complete the following table with

- YES for consent
- NO for refusal

	Viruses	Bacteria
1. Own metabolism		
2. Cell division		
3. Reproduction always depending on a host		
4. Existence of a DNA as well as RNA		
5. Existence of proteins		

2: Stat	2: State five rules for working with microbiological safety cabinets of classes 1 and 2																										





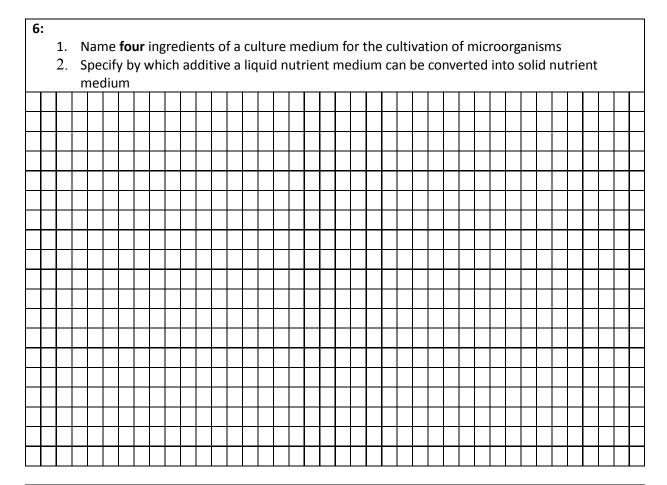
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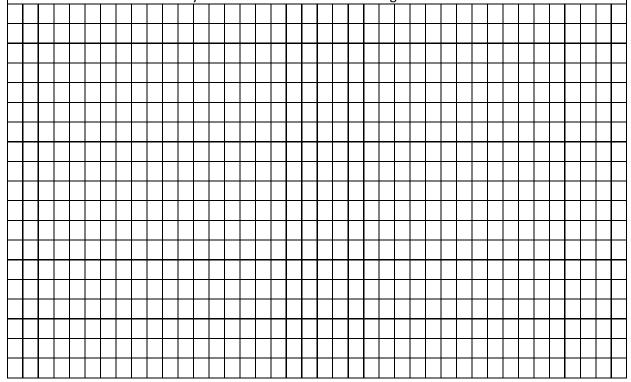




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8:

- 1. Describe in note form the execution of Gram staining (no information about duration necessary)
- 2. Briefly describe the results of Gram staining
- 3. Name the reasons why bacteria have a different staining behaviour



9:

A disinfectant concentrate contains 2.50 g active ingredient/100 mL. From this a disinfectant ready-to-use solution with 1.00 mL concentrate/100mL is to be produced. Of this ready-to-use solution 500 mL are necessary for a surface of 10.0 m^2 .

Calculate what volume of the concentrate is necessary for the disinfection of a room with 62.5 m² surface and how many grams of active ingredient are contained.

