**1.Discuss the different interpretations of the LQ-model**

**2.What is a restriction enzyme?**

**3.What is characteristic of most DNA-sequences recognized by restriction endonucleases?**

**4.What is a blunt-ended and a sticky-ended DNA-fragment?**

**5.What is a vector?**

**6.What is the simplest bacterial vector and how many base pairs can be inserted in it?**

**7.What is a bacteriophage and how many base pairs can be inserted in it?**

**8.What is bacterial Artificial Chromosomes and how many base pairs can be inserted in it?**

**9.What is a genomic library?**

**10.What is a cDNA library?**

**11.What are the most used hosts for transfection experiments?**

**12.What are the 4 ways used to transfect DNA into a cell?**

**13.What is CRISPR?**

**14.How does PCR work and what is it used for?**

**15.How was DNA sequenced?**

**16.Can microarrays give the expression of genes in one sample?**

**17.How can specific proteins be found and what are the 3 most used methods to see/measure proteins?**

**18.How does western blotting work?**