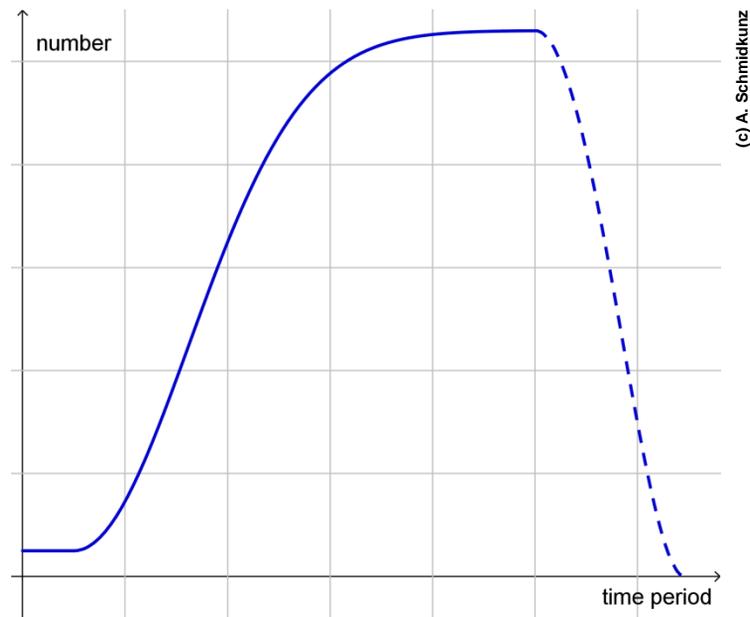


AB 2: Bacterial growth

The graph below shows a simple model of how populations of bacteria develop. Four phases can be distinguished:



Task 1:

- Talk to your neighbour: How do the four phases differ from each other? What might be the reasons?
- Use your ideas from a) and some phrases from the word box below to write a text about the “four-phases-model”.

Useful words and phrases:

The graph shows how – during the first phase – as soon as there is an increase/decrease – to rise/to fall – as the number of... increases – to remain steady/constant – to stay at the same level for some time until... – to reach a maximum/minimum – to slow down – to adapt to new conditions – to be unable to multiply – due to lack of food – because of poisonous waste products – to peak

Task 2:

Explain why we have to be careful not to destroy the good bacterial flora on our skin or in our digestive tract, bearing in mind that we come in contact with potentially dangerous bacteria every day. Name a negative side effect of a) shower gels that are not pH skin neutral and b) antibiotics.