

Case Study 1: Aseptic Technique

Part 1:

Answer 1: This could have happened because you didn't turn your plate enough each time you made your streaks. It looks as though all of your lines are all going the same way and in thick bunches instead of ending with a colonized section. Next time, you should be sure to turn the plate and even amount each time you streak.

Answer #2: You grow bacteriophages in either liquid tests or on solid material such as that we use in the streak plate method. But, instead of growing bacteria, the bacteria will have already been grown. And eventually the phages(viruses) develop and start taking over the bacteria.

Answer #3: In this situation, the turbid tube was showing the growing of a lot of bacteria. When you let the tube sit for a longer period of time, viruses start to attack the bacteria and causes the bacteria to lyse. This would cause the clear tube above.