

Abstract writing, Assignment #4

Students, information for this assignment has been taken from here:

<https://courses.lumenlearning.com/microbiology/chapter/using-microbiology-to-discover-the-secrets-of-life/>

I believe that this is open source, but the original authors retain their copyright. (This is an excellent site, by the way, and you should look at it when you have time.)

Griffith's Transformation Experiment is very famous. Information about it is freely available on Wikipedia in English and other languages (https://en.wikipedia.org/wiki/Griffith%27s_experiment), and many other websites. Please research the experiment before you start this assignment, especially the background. Here is the graphic that explains the series of experiments that Griffith did:

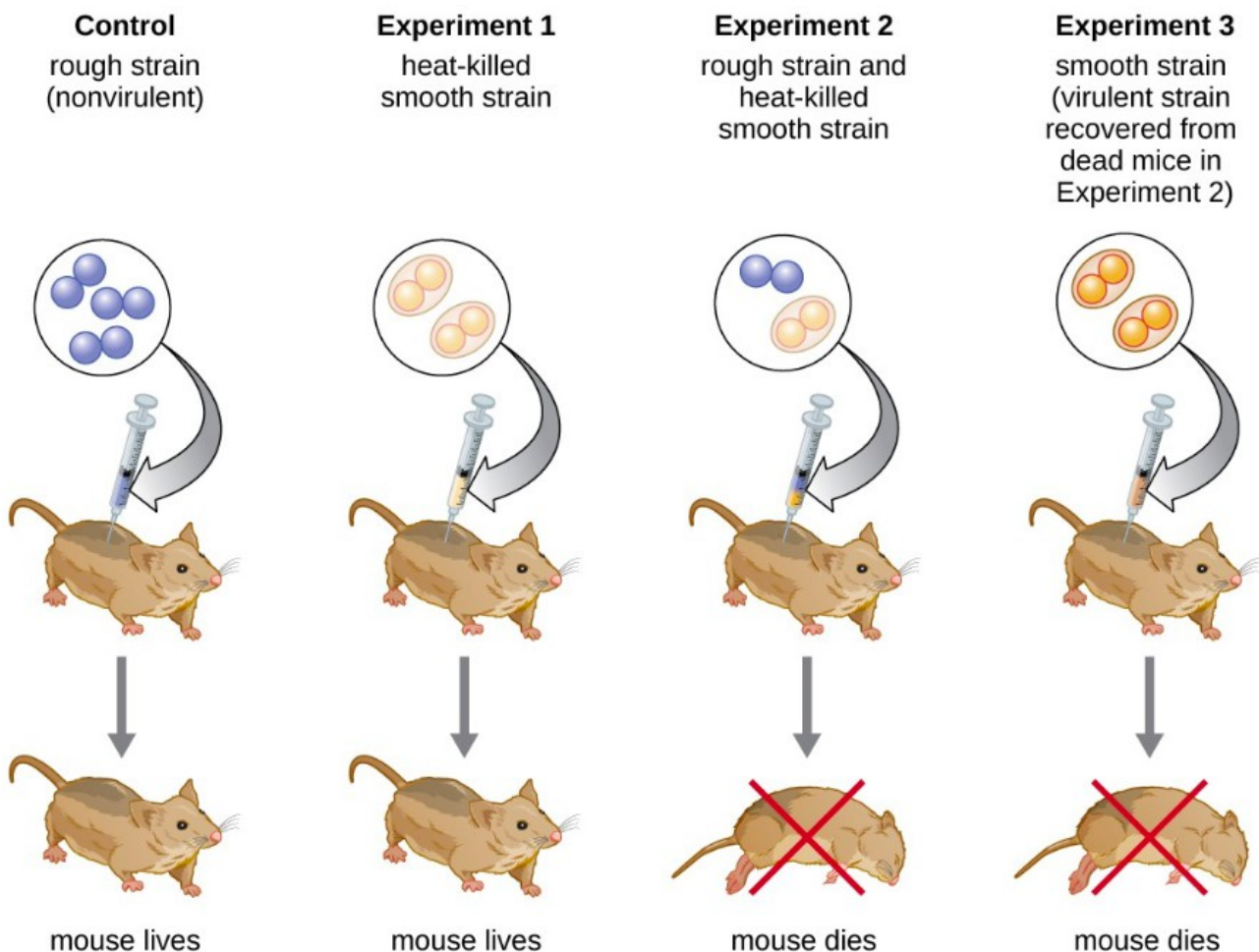


Figure 6. In his famous series of experiments, Griffith used two strains of *S. pneumoniae*. The S strain is pathogenic and causes death. Mice injected with the nonpathogenic R strain or the heat-killed S strain survive. However, a combination of the heat-killed S strain and the live R strain causes the mice to die. The S strain recovered from the dead mouse showed that something had passed from the heat-killed S strain to the R strain, transforming the R strain into an S strain in the process.

For your last assignment in this series, you must pretend that you are Griffith and that you are writing the abstract for this experiment. This means you need to do the whole abstract from background to conclusion/discussion. (Remember that he didn't fully understand the results.)

When you write the method part of the abstract, please use SIMPLE PAST TENSE, eg, We injected... etc. (Actually, I don't know how many mice Griffith used, so just write 'mice' or 'group of mice'.)

You have a control group and then three experiments in total, so write them like a PROCESS PARAGRAPH using 'First,' 'Next,' 'After that' 'Finally,' etc. Please try to write the method part of the abstract carefully and in detail. (It will probably be longer than a usual method part of an abstract, but this is for your practice of writing English and use of vocabulary, so that's ok.)

This assignment requires some research, so you have two weeks to complete it, and it is worth 20 points.

Please Zoom me if you have any questions this week and/or next week. If you Zoom me next week with a rough draft of your assignment I will tell you whether I think it is going ok, or perhaps give you some hints. We can do this by screen sharing.)

After you finish assignment #4, we will move on to the presentation part of the course, so please treat this as a kind of test.

Finally, please remember that there are many summaries of the experiment on the Internet. I am not asking for a summary of the experiment. I am asking you for an abstract of the experiment with a detailed method part. The experiment was reported in 1928, so you have to put yourself into 1928, as if you were Griffith, so you don't have to write anything about DNA.)