

The Fault in Our Cells - Assessment Options

Option A: Students read an article on cancer, preferably one that focuses on either an advancement in cancer treatments or explains an aspect of cancer that makes it difficult to treat, and summarize and present the article to the class.

Option B: Students can do an experimental write-up of the activity, focusing on interpreting the results for the entire class – were they what they expected, what explains the results as they see them, what could explain any differences from what they expected?

Option C: Students can do Option B with an added statistical section, including statistical analysis of the data if the resistance groups were run in triplicate, and/or a “Future Experiments” section where they plan and describe an experiment that gives them statistically significant results OR plan an experiment based on a question they had from the activity. Students familiar with MatLab could even model groups of the tumor with various resistant conditions.