

**Biology 101 Grading rubric: Breast cancer research paper
FALL 2013**

TOTAL SCORE _____ /60

Level	Discuss proto-oncogenes, tumor-suppressor genes, and BRCA 1 and BRCA 2 genes	Are most breast cancers inherited? Discuss other risk factors for breast cancer	Discuss the pros & cons of BRCA testing & whether you would recommend it	Was Angelina's decision extreme? Recommend methods of prevention & treatment	Quality of writing	Structure and Format
10-Excellent	Comparison of proto-oncogenes & tumor-suppressor genes is accurate, clear, and comprehensive. Discussion of BRCA gene mutations and their link to breast cancer is excellent.	Discussion of hereditary vs. non-hereditary breast cancer is accurate, clear, and comprehensive. Excellent job discussing other risk factors for breast cancer.	Discussion of the pros & cons of BRCA testing is clear and thorough. Recommendation for BRCA testing is clearly stated and well-supported by logic and/or data.	Provides a clear and thoughtful response to Angelina's decision. Recommendation for preventative & treatment methods is detailed, clear, and well-supported.	Writing style is clear, concise and flows well. At most one error in spelling, grammar and/or language usage.	Followed assignment instructions exactly (e.g. no quotes). Perfect formatting (word count, font, margins, references).
8 - Good	Discussion of proto-oncogenes, tumor suppressor genes, and BRCA gene mutations is essentially complete, but contains 1-2 minor errors or some lack of clarity.	Discussion of hereditary vs. non-hereditary breast cancer and of other risk factors for breast cancer is essentially complete, but contains 1-2 minor errors or some lack of clarity.	Discussion of the pros & cons of BRCA testing is essentially complete and a recommendation for this test is stated, but there are 1-2 minor errors or some lack of clarity.	Response to Angelina's decision and recommendation for preventative & treatment methods are essentially complete and supported, but there are 1-2 minor errors or some lack of clarity.	Writing style is clear and concise. Two to three errors in spelling, grammar and/or language usage.	One to two minor errors (e.g. margins incorrect)
7-Adequate	Discussion of proto-oncogenes, tumor suppressor genes, and BRCA gene mutations is essentially complete, but contains several minor errors and/or lack of clarity.	Discussion of hereditary vs. non-hereditary breast cancer and of other risk factors for breast cancer is essentially complete, but contains several minor errors and/or lack of clarity.	Discussion of the pros & cons of BRCA testing is essentially complete and a recommendation for this test is stated, but there are several minor errors and/or lack of clarity.	Response to Angelina's decision and recommendation for preventative & treatment methods are essentially complete and supported, but there is several minor errors and/or lack of clarity.	Writing style is clear and concise. Four to five errors in spelling, grammar and/or language usage.	Three to four minor errors (e.g. margins incorrect)
5-Flawed/Deficient	Discussion of proto-oncogenes, tumor suppressor genes, and BRCA gene mutations is incomplete (some major components are left out) or contains major errors or is very unclear.	Discussion of hereditary vs. non-hereditary breast cancer and of other risk factors for breast cancer is incomplete or contains major errors or is very unclear.	Discussion of the pros & cons of BRCA testing and the recommendation for this test are either incomplete, unsupported by logic or data, too briefly developed, or very unclear.	Response to Angelina's decision and recommendation for preventative & treatment methods are either incomplete, unsupported by logic or data, too briefly developed, or very unclear.	Occasional lack of clarity in writing. More than five errors in spelling, grammar and/or language usage.	Five or more minor errors, or one major error (i.e. used quotations) in structure or format.

0-Missing or Unintelligible	Discussion of proto-oncogenes, tumor suppressor genes, and BRCA gene mutations is missing or is unintelligible.	Discussion of hereditary vs. non-hereditary breast cancer and of other risk factors for breast cancer is missing or is completely unintelligible.	The discussion and recommendation of BRCA testing is missing or unintelligible.	Response and recommendation of preventative & treatment methods are missing or unintelligible.	Paper lacks clarity and is difficult to understand. Misspelling, incorrect grammar, and/or misuse of language make it difficult or impossible to evaluate the paper.	No in-text citations; or formatting and/or structural errors are so serious as to suggest that the assignment instructions were not read.
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