

**Life sciences plagiarism case study****1. Please read the quotations below.**

from: G. S. Johal, S. H. Hulbert, and S. P. Briggs. 1995. Disease lesion mimics of maize: a model for cell death in plants. *BioEssays* 17: 685-692.

"A class of maize mutants, collectively known as disease lesion mimics, display discrete disease-like symptoms in the absence of pathogens. It is intriguing that a majority of these lesion mimics behave as dominant gain-of-function mutations. The production of lesions is strongly influenced by light, temperature, developmental state and genetic background. Presently, the biological significance of this lesion mimicry is not clear, although suggestions have been made that they may represent defects in the plants' recognition of, or response to, pathogens."... "In this paper we argue that this might be the case..."

**2. Which of the following fail to give proper credit for the writing and/or ideas of the authors? Explain your answer.**

1. Currently, the biological significance of lesion mimicry in plants is not known, although suggestions have been made that they may represent defects in the plants' recognition of, or response to, pathogens.
2. Currently, the biological significance of lesion mimicry in plants is not known, although suggestions have been made that they may represent defects in the plants' recognition of, or response to, pathogens (Johal et al. 1995).
3. Currently, "the biological significance of lesion mimicry in plants is not known, although suggestions have been made that they may represent defects in the plants' recognition of, or response to, pathogens" (Johal et al. 1995).
4. The biological significance of lesion mimicry in plants is currently not known, although some researchers believe that they may represent defects in the ability of plants to recognize or respond to pathogens.
5. The biological significance of lesion mimicry in plants is currently not known, although some researchers believe that they may represent defects in the ability of plants to recognize or respond to pathogens (Johal et al. 1995).
6. Lesion mimicry has been proposed to be due to mutations in genes controlling the ability of plants to detect and respond to pathogens.
7. Lesion mimicry has been proposed to be due to mutations in genes controlling the ability of plants to detect and respond to pathogens (Johal et al. 1995).
8. Disease-like lesions in plants may be due to mutations in genes controlling the ability of plants to defend themselves against pathogens (Johal et al. 1995).