



Name and surname _____

Date: _____ Results. D _____

Criterion D: Reflecting on the impacts of science

Maximum: 8

Achievement level	Level descriptor
0	The student does not reach the standard described in any of the levels below.
1-2	<p>The student is able to:</p> <ul style="list-style-type: none"> i. outline the ways in which science is applied and used to address a specific problem or issue ii. outline the implications of using science and its application to solve a specific problem or issue, interacting with a factor iii. apply scientific language to communicate understanding but does so with limited success iv. document sources, with limited success. <p>The student's work:</p> <ul style="list-style-type: none"> <input type="checkbox"/> introduces a specific problem or issue. <input type="checkbox"/> attempts to describe the application of science to address the problem either clearly or accurately. <input type="checkbox"/> does not address the implications of the use of science to address the problem. <input type="checkbox"/> contains little use of scientific language <input type="checkbox"/> contains little correct spelling of scientific terminology <input type="checkbox"/> has many grammar mistakes. <input type="checkbox"/> does not contain resources that help understanding, such as graphs, pictures, diagrams, etc. <input type="checkbox"/> references are not included.
3-4	<p>The student is able to:</p> <ul style="list-style-type: none"> i. summarise the ways in which science is applied and used to address a specific problem or issue ii. describe the implications of using science and its application to solve a specific problem or issue, interacting with a factor iii. sometimes apply scientific language to communicate understanding clearly and precisely iv. sometimes document sources correctly. <p>The student's work:</p> <ul style="list-style-type: none"> <input type="checkbox"/> introduces a specific problem or issue. <input type="checkbox"/> describes the application of science to address the problem clearly and accurately. <input type="checkbox"/> discusses and evaluates just 1 implication of the use of science to address the problem. <input type="checkbox"/> contains some correct use of scientific language <input type="checkbox"/> contains some correct spelling of scientific terminology <input type="checkbox"/> has some grammar mistakes. <input type="checkbox"/> contains some resources that help to understand it, such as graphs, pictures, diagrams, etc. <input type="checkbox"/> references are included but not in the correct format.
5-6	<p>The student is able to:</p> <ul style="list-style-type: none"> i. describe the ways in which science is applied and used to address a specific problem or issue ii. discuss the implications of using science and its application to solve a specific problem or issue, interacting with a factor iii. usually apply scientific language to communicate understanding clearly and precisely iv. usually document sources correctly. <p>The student's work:</p> <ul style="list-style-type: none"> <input type="checkbox"/> introduces a specific problem or issue. <input type="checkbox"/> attempts to explain the application of science to address the problem either clearly or accurately. <input type="checkbox"/> discusses and evaluates at least 2 implications of the use of science to address the problem. <input type="checkbox"/> contains mostly correct use of scientific language <input type="checkbox"/> contains mostly correct spelling of scientific terminology <input type="checkbox"/> has a few grammar mistakes. <input type="checkbox"/> contains some resources that help to understand it, such as graphs, pictures, diagrams, etc. <input type="checkbox"/> All references are included in APA format with mostly correct in text referencing.
7-8	<p>The student is able to:</p> <ul style="list-style-type: none"> i. explain the ways in which science is applied and used to address a specific problem or issue ii. discuss and evaluate the implications of using science <p>The student's work:</p> <ul style="list-style-type: none"> <input type="checkbox"/> introduces a specific problem or issue. <input type="checkbox"/> explains the application of science to address the problem clearly and accurately. <input type="checkbox"/> discusses and evaluates at least 3 implications of the use of science to address the problem. <input type="checkbox"/> contains correct use of scientific language

	<p>and its application to solve a specific problem or issue, interacting with a factor</p> <p>iii. consistently apply scientific language to communicate understanding clearly and precisely</p> <p>iv. document sources completely.</p>	<input type="checkbox"/> contains correct spelling of scientific terminology <input type="checkbox"/> does not have obvious grammar mistakes . <input type="checkbox"/> contains several resources that help to understand it , such as graphs, pictures, diagrams, etc. <input type="checkbox"/> All references are included in APA format with correct in text referencing .
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Task: To write an essay on “**Solutions offered by Science to prevent or cure genetic diseases**”. After doing some initial research you choose **one specific genetic disease** for which science has found, or is in the process of finding, solutions.

Formative assessment: Answer the questions of the provided questionnaire after doing some research on your chosen disease. Show your teacher you really put some effort in this.

Summative assessment: Hand in your essay with the structure described below (Please confirm the method of submission with your teacher; Turnitin/email etc.)

Extension: 1200-1500 words.

Structure: Descriptive title, introduction, body, conclusion and references (APA)

Deadlines: FORMATIVE 29th of September - SUMMATIVE 21 of October

MAKE SURE TO USE THE RUBRIK FROM CRITERION D WHEN WRITING YOUR ESSAY