

Assessed student work

Sciences teacher support material

Example 9a: How will genetic engineering affect modern soci

Introduction

How to use this teacher support material

Assessed student work

<u>Overview</u>

Example 1a

Example 1b

Example 2a

Example 2b

Example 3a

Example 3b

Example 4a

Example 4b

Example 5a

Example 5b

Example 6a

Example 6b

Example 7a

Example 7b

Example 8

Example 9a

Example 9b

Example 10a

LAAIIIPIE TU

Example 10b

Appendices

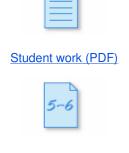
Frequently asked questions
Sample forms

Assessment

Criterion	A	В	С	D	E	F
Level achieved	4	4	_	_	_	_

Criterion A: One world

Maximum: 6



Assessment

Achievement level	Level descriptor
3–4	The student describes how science is applied and how it may be used to address a specific problem or issue in a local or global context.
	The student describes the effectiveness of science and its application in solving the problem or issue.
	The student describes the implications of the use and application of science interacting with at least one of the following factors: moral, ethical, social, economic, political, cultural and environmental.

This work achieved level 4 because the student:

- describes genetic testing as an application of science, but fails to explain how the tests can be carried out
- describes the effectiveness of genetic testing, its power, limitations and negative consequences
- discusses the economic and social implications for a particular case of a family when a child is born with a genetic defect.

The student would have achieved a higher level if she had:

- explained how genetic testing may be used to address issues in a local or global context
- included information on the scientific advances in reproductive technology
- discussed and evaluated the implication of genetic testing more fully, including the economic effects of in vitro fertilization
- discussed and evaluated moral, ethical and cultural factors of genetic engineering.

Criterion B: Communication in science

Maximum: 6

Achievement	Level descriptor	
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This work achieved level 4 because the student:

- uses some scientific language correctly, although more information could have been given on the techniques used in this branch of science
- does not always communicate her ideas effectively
- · cites some sources of information using in-text referencing.

The student would have achieved a higher level if she had:

- included more relevant scientific information on reproductive technology
- developed and communicated her ideas more effectively, including visual forms of communication and illustrations as appropriate
- fully documented all sources of information correctly following an agreed reference style.

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