

Glossary of key terminology in the Key Ideas tab

The key terminology of ‘Key Ideas’, ‘key words and phrases’, ‘searches or scans’ and ‘Answer Key’ used throughout these guidelines is best understood through a simple question example and mark scheme e.g.

Question: Define the term ‘hi-tech’ industry’ (2 marks)		
Source: Edexcel IGCSE Geography 2012 Sample Assessment Material		
Key Ideas These are the ideas, concepts or facts that answer the question.	Key Words and Phrases These are required in the student response for a mark to be awarded and are referred to as the ‘ Answer Key ’.	Key Words and Phrases Scans required These search for the key words or phrases in the student answer. There are a minimum of 1 and a maximum of 3 key word and phrase searches available. If two different key words/phrases are required for a mark, (e.g. ‘manufacturing’ and ‘technology’) and these are expected to be found close to each, a Phrase 1 Scan only should be used. If two different key words/phrases are required for a mark and these may not necessarily be found close to each other, then a Phrase 2 Scan should be used for the second key words/phrase. If three different key words/phrases are required for a mark and these may not necessarily be found close to each other, then a Phrase 3 Scan should be used for the third key words/phrase.
manufacturing involving technology (1 mark)	manufacturing technology	By typing ‘manufacturing technology’ for a Phrase 1 Scan and by separating the words by a space, the scan searches for both ‘manufacturing’ and its synonyms and ‘technology’ and its synonyms within a default 20 characters spacing. A Phrase 2 Scan is not required.
that is advanced (1 mark)	advanced	A Phrase 1 Scan searches for ‘advanced’ and its synonyms.
appropriate example (1 mark)	micro-chip	A Phrase 1 Scan searches for ‘micro-chip’ and its synonyms.
	genetic engineering	A Phrase 1 Scan searches for ‘genetic engineering’ and their synonyms within a default 20 characters.

A more complex mark scheme example where explanations are required for marks to be awarded is shown below.

Question: What advantages might rising temperatures bring to the Arctic? (3 marks)		
Source: Edexcel Advanced Subsidiary GCE in Geography (8GE01) Sample Assessment Material 2007		
Key Ideas	Key words and phrases.	Key words and phrases scans required
Any 3 from:		
Sea routes may be easier - less sea ice (1 mark)	sea route easy	A Phrase 1 Scan searches for ‘sea’, ‘route’ and ‘easy’ and their synonyms in the same phrase within a default 20 characters of each other. ‘More’ could be entered as a synonym for ‘easy’.
	less ice	A Phrase 2 Scan searches for ‘less’ and ‘ice’ and their synonyms in the same phrase within a default 20 characters of each other. It also searches for ‘less’ and ‘ice’ and their synonyms within a default 50 characters spacing from ‘sea’, ‘route’ and ‘easy’ and their synonyms.
Easier to extract resources/minerals - unfrozen ground (1 mark)	easy extract minerals	A Phrase 1 Scan searches for ‘easy’, ‘extract’ and ‘minerals’ and their synonyms in the same phrase within a default 20 characters of each other.
	unfrozen ground	A Phrase 2 Scan searches for ‘unfrozen’ and ‘ground’ in the same phrase within a default 20 characters of each other. It also searches for ‘unfrozen’ and ‘ground’ and their synonyms within a default 50 characters spacing from ‘easy’, ‘extract’ and ‘minerals’ and their synonyms.
increased marine fisheries - food supplies for cod (1 mark)	increased marine fisheries food	By entering ‘increased marine fisheries food’ for a Phrase 1 Scan and by separating each word by a space, the scan searches for ‘increased’, ‘marine’, ‘fisheries’ and ‘food’ and their synonyms within a default 20 characters spacing. A Phrase 2 Scan is not required. This method is used when all the key words required for a mark are expected to be found close to each
increased opportunities for agriculture/forestry - warmer climate/soils (1 mark)	increased agriculture	A Phrase 1 Scan searches for ‘increased’ and ‘agriculture’ and their synonyms within a default 20 characters of each other. ‘Forestry’ should be entered as a synonym for agriculture.
	warmer climate	A Phrase 2 Scan searches for ‘warmer’ and ‘climate’ in the same phrase within a default 20 characters of each other. It also searches for ‘warmer’ and ‘climate’ and their synonyms

		within a default 50 characters spacing from 'increased' and 'agriculture' and their synonyms.
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The minimum number of Key Ideas should match the marks available for the question. There may be more Key Ideas entered than there are marks available.

The automated marking is dependent upon searches (or scans) that look for required phrases or key words in a student's online answer. If the required phrases or key words are found, a mark is awarded.

An editable synonymous word database significantly widens the range of acceptable student responses for marks to be awarded. This goes well beyond keyword recognition, ensuring that the test setup can model hundreds or even thousands of ways students may express a concept.

There are a minimum of one and a maximum of three searches or scans, dependent upon the complexity of the answer required. If two different key words/phrases are required for a mark, (e.g. 'manufacturing' and 'technology') and these are expected to be found close to each, only a **Phrase 1 Scan** should be used.

If two different key words/phrases are required for a mark and these may not necessarily be found close to each other, then a **Phrase 2 Scan** should be used for the second key words/phrase.

If three different key words/phrases are required for a mark and these may not necessarily be found close to each other, then a **Phrase 3 Scan** should be used for the third key words/phrase.

To make sure students are correctly explaining the relationships between concepts, the maximum number of characters allowed between two **Key Words** in the same phrase and between the different **Phrase Scans** can be adjusted. By default, the maximum number of characters allowed between **Key Words** in the same phrase is set at 20 for a mark to be awarded. The maximum number of characters allowed between the **Phrases 1, 2 and 3 Scans** for a mark to be awarded is set at 50 by default.

Negation, where students will not get credit for saying the opposite of what is required will be a feature built in to the next version of our automated marking learning tool.