

Activity Six: Understanding Earth's Systems

Individual Report

How can maps help us understand the earth's physical systems? What kinds of decisions do these maps help us make?

Evaluation Criteria

- Response includes at least three ways that maps can help us understand the earth's physical systems.
- Response incorporates evidence and examples to support the three ways that maps can help us understand earth's physical systems.
- Response includes at least two types of decisions that can be made by the use of maps of earth's systems.
- Response includes an explanation of why people create maps to explain the earth's physical systems and how they interact with one another.

Why Do People Create Maps?

Revised 9/00

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EC	Exceeds the EC	Meets the EC	Progressing Towards the EC	Minimally addresses the EC
List at least 3 ways	Lists more than 3 ways (20%)	Lists 3 ways (17%)	Lists 2 ways (15%)	Lists 1 way (12%)
Give evidence and examples for at least 3 ways	Gives evidence and examples for more than 3 ways (25%)	Gives evidence and examples for 3 ways (21%)	Gives evidence and examples for 2 ways (19%)	Gives evidence and examples for 1 way (15%)
List and justifies at least 2 types of decisions	Lists and justifies more than 2 types of decisions (25%)	Lists and justifies 2 types of decisions (21%)	Lists 2 and justifies 1 type of decisions (19%)	Lists and justifies 1 type of decisions (15%)
Interconnectedness of Systems	Applies knowledge of the use of maps and the interaction of physical systems in new and novel ways (30%)	Explains the use of maps to understand earth's physical systems and how those systems interact with one another (26%)	Explanation of the use of maps to understand earth's physical systems and how those systems interact with one another is unclear (23%)	Minimally attempts to explain the use of maps to understand earth's physical systems and how those systems interact with one another (18%)