



2024 United States Geography Championships – Free Response Examination (4th Grade and Under Division)

General instructions - Respond to each of examination questions in the space provided on the answer document. Only answers written in the appropriate space on the answer document will be marked. Where appropriate, you should write sentences or phrases instead of single words. If a question or section asks for a specific number of reasons or answers, give only the number of answers specified. Please write clearly and legibly.

Section 1 - [20 points]

Use the image in section 1 to complete the following.

Use these terms for part 1 (all terms may not be used)					
corrie	tarn	arete	u-shaped valley	drumlin	hanging valley

1. Identify the landforms indicated by numbers 1-5. [5 points]
2. Briefly describe the formation of a tarn lake in a glacial landscape. [4 points]
3. Identify whether each of these glacial landforms is caused by erosion or deposition – moraine, drumlin, fjord, ribbon lake, hanging valley [5 points]
4. Briefly define the term moraine and explain its formation. [6 points]

Section 2 - [15 points]

Use the image in section 2 to complete the following. This image shows immigrant populations in the US by country of origin.

1. Rank these countries in order from largest number of immigrants living in the US to smallest – Iceland, Russia, China, Mexico, Australia [5 points]
2. Given the information in the table below, construct a graph that shows the number of immigrants living in the US from each of these countries. Make sure to label your graph clearly. [7 points]

Country	Brazil	UK	Iraq	Indonesia	Colombia
Immigrants in the US	518,000	674,000	256,000	106,000	818,000

3. Briefly explain THREE reasons why migrants might leave their home country to come to a place like the US. [3 points]

Section 3 - [15 points]

Use the images in section 3 to complete the following. The image on the left shows a satellite image of Florida. The image on the right shows the same area with a projected 5 foot sea level rise.

1. In the space provided, briefly explain why this area of South Florida is so vulnerable to sea level rise. [4 points]
2. Calculate the distance between points 1 and 2 on the second map. [2 points]
3. Briefly explain TWO ways that the US government, states or cities could protect against this type of climate disaster. [4 points]
4. Would New York City or New Orleans be more at risk for a sea level rise of this magnitude? Explain your choice in the space provided. [5 points]

Section 4 - [10 points]

Use the image in section 4 to complete the following.

Use these terms for part 1 (all terms may not be used)

asthenosphere mantle volcanic ridge oceanic trench lithosphere

1. Identify the geographic features that would be formed at 1 and 2 on the diagram. Identify the layers of the earth a 3 and 4 on the diagram. [4 points]
2. Is this diagram illustrating a divergent or convergent plate boundary? In the space provided, briefly explain the difference between convergent and divergent plate boundaries. [5 points]
3. Identify one area of the United States where a boundary like the one illustrated here exists. [1 point]