

2022 International Geography Championships - Written Examination (Elementary School)

Student Name _____ Country OR State _____

General instructions - Respond to each of examination questions in the space provided on the answer document. Only answers written on the answer document will be marked. Where appropriate, you should write sentences or phrases instead of single words. Please write clearly and legibly.

Section 1 – population pyramids

Refer to the three images in section 1 of the resource sheet in your responses. These images are population pyramids of certain counties within the United States.

1. Identify by number the population pyramid that shows a county with a university. How do you know this county has a university? How would the population pyramid of this county change during summer break when students are not in town?
2. Identify by number the population pyramid with a rapidly growing population. Why do you think this pyramid shows a growing population?
3. Identify by number the population pyramid that shows a county with a military base. What age group and gender make up most of the people in the military?

Section 2 – earthquakes and tsunamis

Refer to the map in section 2 of the resource sheet in your responses. This map shows information about the 2011 Tohoku earthquake and tsunami. There will be a word bank to help you with your responses on the answer sheet. You may not use all of the words in the word bank and you may use some of them more than once.

1. Based on the information on the map, describe the location of the epicenter of the earthquake in relation to the location of Tokyo.
2. Identify the type of earthquake that occurred and identify the type of plate boundary present.
3. Briefly explain how a powerful earthquake like this one causes a tsunami.
4. Briefly explain two ways a tsunami is different from a normal wave.
5. Answer the following questions.
 - a) What other major environmental disaster occurred as a result of the 2011 Tohoku tsunami?
 - b) What international body oversees such accidents?
 - c) What is the only other similar accident that has occurred since 1945?

Section 3 – the rock cycle and lithography

Refer to the diagram in section 3 of the resource sheet in your responses. There will be a word bank to help you with your responses on the answer sheet.

1. Identify the rock types or materials indicated by numbers 1-4.
2. Identify the processes indicated by letters A-D.
3. Which of the major rock types can become magma? What is the process by which this occurs? Which type of rock results when magma solidifies?
4. Briefly explain the role of water in the rock cycle.
5. What material results from the weathering or erosion of any type of rock exposed to the atmosphere? What type of rock results when this material forms new rock?

Section 4 – biomes and climatograms

Refer to the images in section 4 of the resource sheet in your responses. These images show climatograms of five different biomes. Lines indicate average temperature in Celsius and bars indicate precipitation in cm. There will be a word bank to help you with your responses on the answer sheet.

1. Match each of these biomes with the number of the appropriate climatogram – hot desert, savanna, temperate grassland, tundra, temperate forest
2. Which of these climatograms would be most similar to that of a monsoon forest biome? In what ways would a monsoon forest climatogram be similar and in what ways would it be different?
3. What is the average monthly rainfall in images 2, 3 and 5? What is the average monthly temperature in images 2, 3 and 5?
4. Identify by number the climatogram that would most closely match each of the following areas (some numbers may be used more than once and some may not be used) - northern Siberia, the veldt of South Africa, northern France, the Great Plains of the United States, central Egypt

Section 5 – world religions

Refer to the image in section 5 of the resource sheet in your responses. This infographic shows major world religions by size and distribution. There will be a word bank to help you with your responses on the answer sheet. There will be a word bank to help you with your responses on the answer sheet.

1. Using the information in the image, identify the religious affiliations indicated by numbers 1-5.
2. What is the only country in the world that is majority Jewish?
3. What specific denomination is practiced by a majority of people in each of the following nations – Russia, Mexico, Iran, Italy, Turkey
4. In Japan, a majority of people identify with what two religions, with many adherents observing both at the same time?
5. What religious affiliation is the fastest growing among millennials and members of 'Generation Z' in the United States? What would account for the large percentage of that same religious affiliation in China?