

**2019 United States Geography Olympiad - Map Examination (Elementary School)**

Student Name \_\_\_\_\_ School \_\_\_\_\_

**General instructions** - Respond to each of examination questions in the space provided. 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 - [15 points]**

Use the map section and legend in section 1 to complete the following. The map shows part of a camping and trail area in Big Bend National Park.

1. [5 points] Answer the following questions about the map in the space provided.

- How many roads are visible in this section of the map? \_\_\_\_\_
- What is the shortest distance (in miles to the nearest tenth) on the trail between the points marked A on the map? \_\_\_\_\_
- What is the shortest distance (in miles to the nearest tenth) on the trail between the points marked B on the map? \_\_\_\_\_
- How many campsites are there in Southeast Rim? \_\_\_\_\_
- What is the approximate distance on the trail between SW4 and the nearest toilet? \_\_\_\_\_

2. [4 points] Use the word bank below to complete the following. Every word in the bank will not be used. Some words may be used more than once.

elevation	hiking	contour	water
small	large	difficult	easy

This map has \_\_\_\_\_ lines that show changes in \_\_\_\_\_. Distance is \_\_\_\_\_ to measure on this map, partly because the trails are not straight, and partly because the scale of the map is too \_\_\_\_\_.

3. [2 points] Answer the following questions by circling T or F for each statement.

It is more than 1.5 miles between the campsites CO2 and BL 1.	T	F
The Blue Creek trailhead is due west of Juniper Canyon trail.	T	F

4. [4 points] For each pair below, circle which point has the HIGHER elevation. You will receive an additional point if all three are correct.

- A or B
- C or D
- B or D

**Section 2 - [10 points]**

Use the pictures in section 2 to complete the following. These maps and charts show the location and population of world megacities in 1980 and 2010.

1. [2 points] Define the term megacity. \_\_\_\_\_

2. [5 points] Use the word bank below to complete the following. Every word in the bank will not be used. Some words may be used more than once.

Asia	China	India	Tokyo
North America	25	45	New York

In 1980 \_\_\_\_\_ had the most megacities in the world, but by 2010 \_\_\_\_\_ had more than any other continent. By 2010 \_\_\_\_\_ had 3 megacities, more than any other single country. Between 1980 and 2010, \_\_\_\_\_ had its population increase by over 8 million people, and Mexico City saw a population increase of about \_\_\_\_\_ percent.

3. [3 points] Give three reasons why people might move from rural areas to megacities in countries like China, India and Pakistan.

reason 1 \_\_\_\_\_

reason 2 \_\_\_\_\_

reason 3 \_\_\_\_\_

**Section 3 - [10 points]**

Use the map in section 3 to complete the following.

1. [6 points] Answer the following questions by circling T or F for each statement.

The United States consumes more oil than any other country.	T	F
The Asia Pacific region consumes a majority of the world's oil.	T	F
Africa consumes more oil per capita than the Middle East.	T	F
South America consumes the least oil.	T	F
Australia has no measurable oil consumption.	T	F
This map shows the US as a net exporter of oil.	T	F

2. [4 points] Explain some reasons why the United States uses so much oil.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Section 4 - [10 points]**

Use the map in section 4 to complete the following.

1. [4 points] Use the word bank below to complete the following. Every word in the bank will not be used. Some words may be used more than once.

100	10	20	84
Sahara	Gobi	Atacama	Kalahari

This map shows several areas classified as hot desert climates. A hot desert must have less than \_\_\_\_\_ inches of rainfall per year and an average temperature in hot months above \_\_\_\_\_ degrees Fahrenheit. On this map, B shows the \_\_\_\_\_ Desert. South of B, shown near the Tropic of Capricorn in Africa, is the \_\_\_\_\_ Desert.

4. [6 points] Answer the following questions by circling T or F for each statement.

There are no hot deserts in the United States.	T	F
The Atacama Desert is in South America.	T	F
The desert marked A on the map is the Kalahari.	T	F
Most of the hot deserts in the world are in the southern hemisphere.	T	F
The hot deserts of the world are located within 5 degrees of the equator.	T	F
The Gobi Desert is a hot desert.	T	F