2019 United States Geography Olympiad - Written Examination (Middle 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 passage below to help answer the following questions. On at-risk fauna and flora, the study asserts that human activities "threaten more species now than ever before" - a finding based on the fact that around 25 per cent of species in plant and animal groups are vulnerable. This suggests that around one million species "already face extinction, many within decades, unless action is taken to reduce the intensity of drivers of biodiversity loss". Without such measures there will be a "further acceleration" in the global rate of species extinction, which is already "at least tens to hundreds of times higher, than it has averaged over the past 10 million years", the report states. It notes that despite many local efforts, including by indigenous peoples and local communities, by 2016, 559 of the 6,190 domesticated breeds of mammals used for food and agriculture were extinct - around nine per cent of the total - and at least 1,000 more are threatened. - excerpt from the United Nations Global Assessment on Biodiversity, May 2019 1. [6 points] Define the terms flora, fauna and biodiversity. flora _______ fauna biodiversity 2. [4 points] The UN lists five main reasons for loss of habitat and biodiversity in the world discussed in this report. Identify four reasons for global loss of habitat and biodiversity. reason 1 reason 2 reason 4 3. [2 points] Name two things the government of the United States might do to slow the loss of biodiversity in America. 4. [3 points] Brazil has lost a large amount of biodiversity in the last 50 years. Explain why this has been a particular problem in Brazil since the 1960s.

Section 2 - [10 points]				
Use the picture in section 2 to comple	ete the following.			
1. [1 point] Based on the diagram, when the diagram is the second of the diagram.	hich of the biomes has the l	owest temperatu	re?	
2. [1 point] Which of the biomes on the	nis diagram is the world's la	rgest land biome	?	
3. [6 points] Which of the biomes on	the diagram would be predo	ominant in each o	of the follow	ing locations?
central Alaska				
Adirondack Park, New York				
northern Baja California, Mexico				
Borneo				
Las Vegas, Nevada				
Serengeti National Park, Tanzania				
4. [2 points] Briefly explain the relation	onship between climate and	vegetation snow	The dia	
Section 3 - [10 points] Use the diagram in section 3 to comp	olete the following			
[5 points] Answer the following que	_	oach statement		
Magma is found at D on the diagran			Т	F
			Т	F
Sedimentary rocks are formed at C on the diagram. Metamorphic rocks cannot be found on the earth's surface.			Т	' F
·			Т	F
Extrusive igneous rocks are found above the earth's surface. The water cycle has no effect on the rock cycle.			Т	' F
The water cycle has no effect of the	- TOOK GYOIC.		•	'
2. [1 point] What broad type of igneo	us rock is found at A on the	diagram?		
[1 point] What material, found at B or	n the diagram, cools to form	igneous rock? _		
3. [2 points] Circle the two types of ro	ock in which diamonds are f	ound – sediment	ary igneous	metamorphic
4. [1 point] What is formed at E on th	e diagram by weathering or	erosion of an ou	ıtcrop?	

Section 4 - [15 points]								
Use the pictures in section 4 to complete the following.								
1. [2 points] Define the term Richter scale								
2. [4 points] Based on the information on the chart, in what country did the earth labeled A-D occur?	nquakes on th	ne graph						
A B C I	D							
3. [3 points] Explain why the earthquakes in Haiti, China and Pakistan may have caused more deaths than those in some of the other countries on the list.								
4. [6 points] Answer the following questions by circling T or F for each statemen	nt.							
Stronger earthquakes result in more deaths than weaker ones.	Т	F						
The earthquake labeled A on the chart was the strongest earthquake.	Т	F						
New Zealand is less densely populated than Haiti.	Т	F						
The New Zealand earthquake is the point at the bottom left of the chart.	Т	F						
Earthquakes do not occur in the United States.	Т	F						
The earthquake in Turkey caused the least deaths.	Т	F						

Section 5 - [15 point	ts]				
Use the pictures in se	ection 5 to complete the	he following.			
1. [6 points] Which of The highest population A shrinking population A population growth r	on growth rate n Approximat rate of about 1.1%	The highest life excelly 3% of its populati The lowest life	pectancy on between 70-7 expectancy	79 yea	
2. [6 points] Answer t	ne following question	s by circling 1 or F to	<u>r eacn statemen</u>	τ.	<u> </u>
The United States is the country in graph A.				T	F
China is not depicted by any of these graphs.					F
Country B may be experiencing an increase in marriage age.					F
Country A has more men than women.				Т	F
Mexico is the country in graph C.				Т	F
Country A has a median age just over 18 years old.			Т	F	
3. [3 points] Which of answers that apply) high median income	the following are like low number of women in the workforce	ly characteristics of the high access to healthcare	ne country in gra		? (circle the three