2018 United States Geography Olympiad - Written Examination (Elementary)					
Student Name		School		_	
		nation questions in the spacument will be marked. Plea			
Section 1 - [10 points]					
Use the pictures in section will not be used. Some w		elow to complete the follow than once.	ing. Every wo	ord in the bank	
cars	power plants	cows	horses	horses	
carbon dioxide	CFCs	global warming	sea level	sea level rise	
which is the increase of a	verage temperatures arc	are significant contributors to bund the world. Of the four	things picture	d,	
		, and all produce significant do not contribute very much to greenhouse gas			
		he largest biological source			
of the worst greenhouse g					
2. [4 points] Answer the fo	ollowing questions by circ	cling T or F for each statem	ent.		
Power plants using renewable sources cut down on pollution		Т	F		
Wetlands are also a major source of methane in the atmosphere		Т	F		
Cars with internal combustion engines produce carbon dioxide		Т	F		
Volcanic eruptions are also a source of greenhouse gases		Т	F		

Section 2 - [10 points]				
Use the pictures in section will not be used. Some wo			j. Every word	d in the bank
dormant	active	shield	Molokai	
Hawaii	hydrothermal vent	hot spot	tectonic plate	
1. [5 points] These photos	show the recent volcanic e	eruption on the island of		This
island chain was created b	y a	_ moving over a		in the
Earth's mantle. Almost all of the volcanoes are in the south and east of this island				of this island
chain, while the are on the smaller islands in the north and west.				
4. [5 points] Answer the fol	lowing questions by circling	g T or F for each statemen	ıt.	
The volcano pictured is usually dormant and has not erupted for many years		Т	F	
Volcanoes are very important to the mythology and culture of Hawaii			Т	F
This volcano has been a major tourist attraction in the state for decades		Т	F	
People live near volcanoes for cultural, economic and religious reasons		Т	F	
There are very few earthquakes in this area of Hawaii			Т	F

Section 3 - [10 points]		
Use the picture in section 3 to complete the following.		
 [1 point] Circle the main cause of the landforms in the picture – humans wind [3 points] Identify each of the following landforms on the photo using X, Y, and Arête U-shaped valley Cirque [3 points] Answer the following questions by circling T or F for each statement 	d Z.	
content of the conten	·	
These landforms would likely be found in Australia	Т	F
Drumlins might also be found near these landforms	Т	F
This area might also contain a paternoster lake	Т	F
4. [3 points] What is one type of recreational activity people might do in this area What is one type of recreational activity people might do in this area in the winter is this area likely to have in the winter?	-	

Section 4 - [10 points]				
Use the pictures in section 4 and 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.				
corn	hand	subsistence	wheat	
irrigation	rice	machines	commercial	
1. [6 points] In the top pictu	ıre,is	being harvested, while in	the bottom pi	cture, people
are planting farm, which is a large			ch is a large-	
scale farm that uses like tractors and combines. The bottom picture shows a				
farm, where most of the work is done by				
2. [4 points] Answer the following questions by circling T or F for each statement.				
Commercial agriculture often uses irrigation		Т	F	
Both commercial and subsistence agriculture can be sustainable		Т	F	
Subsistence agriculture usually involves large amounts of chemical pesticide		Т	F	
Commercial agriculture is most often practiced in developing countries		Т	F	

Section 5 - [10 points]			
Use the pictures in section 5 to complete the following.			
[1 point] What month has the highest average rainfall in Kuala Lumpur?			
2. [1 point] What month has the highest average rainfall in London?		<u> </u>	
3. [1 point] What is the highest average temperature (in degrees Celsius) in Lor	idon?		
4. [3 points] Answer the following questions by circling T or F for each statement.			
Paris, France has a climate graph that looks very similar to London		F	
Temperatures often dip below 70 degrees Fahrenheit in Kuala Lumpur		F	
Kuala Lumpur has a tropical rainforest climate		F	
Look at the diagram of a certain kind of precipitation in section 5 and answer the 5. [1 point] Circle the type of precipitation shown in this diagram – orthographic 6. [3 points] Match the following descriptions with the correct steps in the diagram One of the descriptions will not be used. 1	convec	tional cyclonic	