

# Geo-Inquiry with ArcGIS Online

## Practical 2 (10 marks)

\_\_\_\_\_

Name

### Before we get started...

- How are you feeling about GIS?



### ACTIVITY ONE: See Your World

Please complete the table below.

Place	Latitude (DMS)	Longitude (DMS)	Geographical importance?
Robben Island			
Machu Picchu			
	-6°64'10"	39°16'15"	
	51°28'40"	0°0'0"	

### ACTIVITY TWO: Measure and Mark Your World

1. **How far** is it from Seattle, USA to Astana, Kazakhstan \_\_\_\_\_ (km) \_\_\_\_\_ (miles)
2. **What is the distance** from the northern tip of Alaska to the southern tip of Africa? \_\_\_\_\_ (km) \_\_\_\_\_ (miles)
3. **Describe** the shape of the line that you used to measure the distance from Alaska to South Africa. **Explain** the shape of the line.

\_\_\_\_\_

\_\_\_\_\_

4. What are the coordinates of your school? Which coordinates are positive? Which are negative? **Explain** why.

\_\_\_\_\_

\_\_\_\_\_

5. **Describe** how you could use "Map Notes" to teach geography.

\_\_\_\_\_

\_\_\_\_\_

**ACTIVITY THREE: Explore Your World**

6. **Write** two questions that can be answered by using Predominate Religions maps.

1) \_\_\_\_\_

2) \_\_\_\_\_

**ACTIVITY FOUR: Expand Your World: Open a Saved Map**

7. **Write** one question that can be answered by the Earthquake application and **write** one question that can be answered by the World Population scene application.

1) \_\_\_\_\_

2) \_\_\_\_\_

**ACTIVITY FIVE: ArcGIS Online Map Applications (Apps) Designed for a Specific Purpose**

8. **Describe** how you might use the Terrain profile application (<http://esriurl.com/elevation>) to teach geography.

\_\_\_\_\_  
\_\_\_\_\_

9. **Describe** how you might use the Urban Observatory application <http://www.urbanobservatory.org/compare/>

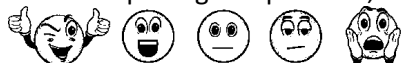
\_\_\_\_\_  
\_\_\_\_\_

10. Story Maps Gallery: **Explore** a topic <http://storymaps.arcgis.com/en/gallery/> . List three topics you explored.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

***In conclusion...***

After completing this practical, how are **you feeling** about ArcGIS Online?



You are told that you have to introduce your students to ArcGIS Online **next week**. How would you react?

