

Exploring ArcGIS Online

Practical 1 (10 marks for completion)

Name

Before we get started...

- How are you feeling about GIS?     
- Two words that describe your GIS feelings. 1. _____ 2. _____
- Top right of the “Explore” handout. What is this <https://arcg.is/1mTvvD> and what can you do with it?

1 *Describe* what happened to the map when you searched for your house.

2 What does it look like where you live? In other words, *describe* the geography of your neighborhood.

Describe what happens to the map when you zoom in and out.

3 Where, exactly, are the Pyramids of Giza? In other words, *locate* the Pyramids of Giza.

4 *Calculate* the area of the pyramid’s base (in square meters). _____
Compare the pyramid’s base area to the area of your school campus.

Describe the process of using the measurement (area) tool.

5 *Describe* the geographic data displayed in the “oceans” basemap. What do the numbers indicate?

6

Describe what happens to the map when you click on the “Central Indian Ridge” bookmark.

Describe the pattern of faults (fractures) on the seafloor around the Central (Mid) Indian Ridge.

7

Where does your electricity come from? In other words, **locate** the power plant closest to your house.

Describe the power plant closest to your house.

Describe the spatial distribution (patterns) of power plants in South Africa.

Contrast (differences) and **Compare** (similarities) the energy geography of South Africa to a neighboring county.

8

Explore the remaining bookmarks and layers. **List** and **describe** 3 “discoveries.”

1.

2.

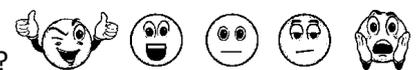
3.

In conclusion...

• After completing this practical, how are you feeling about GIS?



• How would you feel about working through this activity with your students?



Want to explore more of the ArcGIS Online world? Navigate to: <https://learn.arcgis.com/en/arcgis-book/>