

# Discovering Turkey: Learning Through Maps

**Julie Wakefield**

**McQueen High School Reno, NV**  
**jwakefield@washoeschools.net**

## INTRODUCTION

Students will learn about aspects of the physical and human geography of Turkey by analyzing thematic maps and simulating basic GIS map-reading skills to answer a series of questions.

Students will be able to identify characteristics of country's physical and human geography on a map, practice layering geographic information, similar to using GIS, and apply steps in the geographic inquiry process.

## MATERIALS

Copies of maps – these need to be copied on color for the activity to be successful

Copies of worksheets

### PART ONE and TWO

You will need the following maps:

- Climate
- Precipitation
- Industry and Resources
- Population Densities
- Political
- Topographic/Elevation
- Rivers
- Climograph

### PART THREE

You will need all the maps and graphs.

## ACTIVITY/PROCESS

### Procedures:

For this activity, the teacher will decide if Part One and Part Two are going to be completed individually or in groups. If individually, then post colored copies of the maps around the room for the students to use in a 'gallery walk' style. Stations with a couple maps per station is also an option. Or in groups, have colored copies of all the maps for each group.

- Instructions to Students for Part One and Part Two
  1. Using the maps, you will answer a number of questions. As you become more familiar with the information on the maps, the questions will increase in difficulty requiring you to use more than one map to the answer, even up to four.
  2. As you find the answer to your questions, be sure you write your answers in complete sentences as to restate the question. Additionally, make a note of which maps you used to find your answers.
  3. When you finish Part One questions, please take your answer sheet to the teacher and get Part Two. You will use the same maps for Part Two. The questions will require you to use more than one map/graph/chart to find the answer.
- Instructions to Students for Part Three
  1. For this question, you will need all the maps, graphs, and charts provided to solve the given situation. You will use the information you learned about Turkey in Part One and Part Two to help you.
  2. You will need to support your choice by using evidence you have accumulated. All final proposals must be written in final draft.

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## RESOURCES

This is the list of website where I found the maps

<http://www.europe-atlas.com/pictures/maps/turkey-map.jpg>  
<http://www.mapsofworld.com/turkey/maps/turkey-political-map.jpg>  
[http://www.packagetours-turkey.com/sites/packagetours-turkey.com/turkey\\_1.jpg](http://www.packagetours-turkey.com/sites/packagetours-turkey.com/turkey_1.jpg)  
<http://www.nationsonline.org/maps/Turkey-Regions-Map.jpg>  
[https://s14turkey.files.wordpress.com/2014/04/turkey\\_map\\_agriculture2\\_730px\\_da3bb38510.jpg](https://s14turkey.files.wordpress.com/2014/04/turkey_map_agriculture2_730px_da3bb38510.jpg)  
[https://s14turkey.files.wordpress.com/2014/02/turkey\\_climate\\_map\\_730px\\_fd74aa098e.jpg](https://s14turkey.files.wordpress.com/2014/02/turkey_climate_map_730px_fd74aa098e.jpg)  
[http://www.mdpi.com/sensors/sensors-07-02763/article\\_deploy/html/images/sensors-07-02763f1-1024.png](http://www.mdpi.com/sensors/sensors-07-02763/article_deploy/html/images/sensors-07-02763f1-1024.png)  
<http://www.istanbul.climatemp.com/istanbul-climograph.gif>  
[http://www.trainsofturkey.com/w/uploads/Maps/turkey\\_schetch\\_2011.png](http://www.trainsofturkey.com/w/uploads/Maps/turkey_schetch_2011.png)  
[http://www.aytuna-consulting.com/Images/Pipeline\\_map.jpg](http://www.aytuna-consulting.com/Images/Pipeline_map.jpg)  
[https://commons.wikimedia.org/wiki/File:Turkey\\_Export\\_Treemap.png](https://commons.wikimedia.org/wiki/File:Turkey_Export_Treemap.png)  
<http://www.fibre2fashion.com/textile-market-watch/countryprofile/turkey-textile-industry-overview/trade-partner.asp>  
<http://epthinktank.eu/2013/05/24/turkeys-regional-power-aspirations/turkeys-trade-in-goods-exports-and-imports/>  
<http://travel.agency.bizbilla.com/map-by-countries/allcountriesmaps/turkeyfuelresource.jpg>  
<http://www.hidropolitikakademi.org/en/agricultural-policy-in-turkey.html>  
<http://www.dalaman-rafting.com/images/maps/rivers-map-turkey.jpg>  
<http://www.atc-anadolu.com/images/climatetur04.gif>  
<http://media-2.web.britannica.com/eb-media/86/71786-004-D36FFFDB.jpg>  
<http://www.tradingeconomics.com/charts/og.png?url=/turkey/unemployment-rate>  
<https://pavellas.files.wordpress.com/2012/08/black-sea-map.jpg>  
[http://www.mdpi.com/sensors/sensors-07-02273/article\\_deploy/html/images/sensors-07-02273f4-1024.png](http://www.mdpi.com/sensors/sensors-07-02273/article_deploy/html/images/sensors-07-02273f4-1024.png)  
[https://upload.wikimedia.org/wikipedia/commons/e/ef/Proportional\\_circle\\_Turkey\\_city\\_town\\_population\\_map\\_2012.png](https://upload.wikimedia.org/wikipedia/commons/e/ef/Proportional_circle_Turkey_city_town_population_map_2012.png)  
[http://www.bestcountryreports.com/Precipitation\\_Map\\_Turkey.php](http://www.bestcountryreports.com/Precipitation_Map_Turkey.php)

## CONCLUSION

At the end of Part Three, there are many possibilities:

- 1) Written formal proposal citing evidence from maps and questions asked in Part One and Part Two.
- 2) Presentation with explanation citing evidence from maps and questions asked in Part One and Part Two. Allow a few students to be the 'judges' of the proposals

It is important to know that there is no right or wrong answer. As with many geographic inquiry activities, the answer is reliant on having the evidence to support the answer. There can more answers that are better – based on the actual geography – but if the students can justify their answer then the process has been successful.

Use the maps provided to answer the following questions. Make sure your answers are written in complete sentences that also restate the question.

1. Which two climate regions dominate Turkey? Describe their relative locations.
2. Which regions(s) of Turkey are most populated? Least populated? Be specific using geographic terms in your response.
3. Which region is by the highest elevation and receives the most precipitation?
4. What countries surround Turkey? Be specific about their location in relation to Turkey.
5. How much precipitation is received in the populated regions? The least populated region?
6. Which provinces have the longest rivers with the most tributaries?
7. Which region of Turkey has planned natural gas storage?

Bituminous Coal?

Chromite?

Which region has the most crude oil pipelines? Where do they meet? Why?

8. How many provinces are in Turkey? Which are the largest? Which are the smallest? Does the size of the provinces differ in different parts?

9. Which products make up more the 2% of the overall Turkish exports? Are these products for industry or consumption?

10. Are there areas of Turkey that lack resources and industry? Why or why not? Speculate using the other maps as to why this may be the case.

11. Describe the changes in the topography and vegetation of Turkey if you were to travel from the north to the south and then from the east to the west.

Use the maps provided to answer the following questions. Make sure your answers are written in complete sentences that also restate the question.

1. Explain, using maps of physical geography, why some regions are more densely populated than others.
  
  
  
  
  
  
  
  
  
  
2. Which topographic region has the most cities over 500,000? Why do you think this pattern exists? Use the other maps to help justify an explanation.
  
  
  
  
  
  
  
  
  
  
3. Which area has the largest industrial region? What might account for this? Use other maps for evidence.
  
  
  
  
  
  
  
  
  
  
4. A farmer grows a crop that requires 800- 1000 mm of precipitation requires a little elevation. In his free time, he loves to fish on the river and also uses the river for transportation of his crops to the nearest large city of over 500,000. Where does this farmer live? Why do you know this? What is your evidence of support?
  
  
  
  
  
  
  
  
  
  
5. Your family wants to move to Turkey. Which Turkish province will fit everyone's needs? Explain
  - 1) parents have a logging business and need access to easy transportation
  - 2) not a large city
  - 3) between 600 - 800 mm of rain
  - 4) brother likes to fish and sister likes to grow flowers

Discovering Turkey  
Part Three

Name \_\_\_\_\_ Date \_\_\_\_\_  
Class \_\_\_\_\_

Use the maps provided to answer the following questions. Make sure your answers are written in complete sentences that also restate the question.

Your task:

You have been given a loan to start a new company that will employ between 250 - 500 people.

Your product needs to be something in demand in and out of your country.

You must have access to easy transportation for your product and materials needed to make your product.

You must have access to skilled labor.

You will need to be able to work year-round.

Remember, it is ALL about LOCATION!!

So, where are you going to locate your business and what are you going to produce? Use the maps to provide evidence to support your proposal.

## Map Resources

<http://www.europe-atlas.com/pictures/maps/turkey-map.jpg>

<http://www.mapsofworld.com/turkey/maps/turkey-political-map.jpg>

[http://www.packagetours-turkey.com/sites/packagetours-turkey.com/turkey\\_1.jpg](http://www.packagetours-turkey.com/sites/packagetours-turkey.com/turkey_1.jpg)

<http://www.nationsonline.org/maps/Turkey-Regions-Map.jpg>

[https://s14turkey.files.wordpress.com/2014/04/turkey\\_map\\_agriculture2\\_730px\\_da3bb38510.jpg](https://s14turkey.files.wordpress.com/2014/04/turkey_map_agriculture2_730px_da3bb38510.jpg)

[https://s14turkey.files.wordpress.com/2014/02/turkey\\_climate\\_map\\_730px\\_fd74aa098e.jpg](https://s14turkey.files.wordpress.com/2014/02/turkey_climate_map_730px_fd74aa098e.jpg)

[http://www.mdpi.com/sensors/sensors-07-02763/article\\_deploy/html/images/sensors-07-02763f1-1024.png](http://www.mdpi.com/sensors/sensors-07-02763/article_deploy/html/images/sensors-07-02763f1-1024.png)

<http://www.istanbul.climatemps.com/istanbul-climograph.gif>

[http://www.trainsofturkey.com/w/uploads/Maps/turkey\\_schetch\\_2011.png](http://www.trainsofturkey.com/w/uploads/Maps/turkey_schetch_2011.png)

[http://www.aytuna-consulting.com/Images/Pipeline\\_map.jpg](http://www.aytuna-consulting.com/Images/Pipeline_map.jpg)

[https://commons.wikimedia.org/wiki/File:Turkey\\_Export\\_Treemap.png](https://commons.wikimedia.org/wiki/File:Turkey_Export_Treemap.png)

<http://www.fibre2fashion.com/textile-market-watch/countryprofile/turkey-textile-industry-overview/trade-partner.asp>

<http://epthinktank.eu/2013/05/24/turkeys-regional-power-aspirations/turkeys-trade-in-goods-exports-and-imports/>

<http://travel.agency.bizbilla.com/map-by-countries/allcountriesmaps/turkeyfuelresource.jpg>

<http://www.hidropolitikakademi.org/en/agricultural-policy-in-turkey.html>

<http://www.dalaman-rafting.com/images/maps/rivers-map-turkey.jpg>

<http://www.atc-anadolu.com/images/climatetur04.gif>

<http://media-2.web.britannica.com/eb-media/86/71786-004-D36FFFDDB.jpg>

<http://www.tradingeconomics.com/charts/og.png?url=/turkey/unemployment-rate>

<https://pavellas.files.wordpress.com/2012/08/black-sea-map.jpg>

[http://www.mdpi.com/sensors/sensors-07-02273/article\\_deploy/html/images/sensors-07-02273f4-1024.png](http://www.mdpi.com/sensors/sensors-07-02273/article_deploy/html/images/sensors-07-02273f4-1024.png)

[https://upload.wikimedia.org/wikipedia/commons/e/ef/Proportional\\_circle\\_Turkey\\_city\\_town\\_population\\_map\\_2012.png](https://upload.wikimedia.org/wikipedia/commons/e/ef/Proportional_circle_Turkey_city_town_population_map_2012.png)

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