



Understanding globalization

from the Esri GeoInquiries™ collection for Human Geography

Audience – Human geography

Time required – 15 minutes

Activity

Investigate how connections are made across Earth, focusing on advancements in transportation and technology.

APHG Benchmarks

APHG: I.B. Identify and explain major geographical concepts, including location, transportation, scale, place, and globalization.

APHG: III.A. Identify the connections between globalization and culture, including folk and popular culture.

Learning Outcomes

- Students will explain the major geographical concepts underlying the geographic perspective.
- Students will explain how globalization influences cultural interactions and change.

Map URL: <http://esriurl.com/humanGeoInquiry2>

? Ask

How are places connected?

- ? In what ways are places on Earth connected? *[Through language, culture, climate, and transportation.]*
- ? What is globalization? *[It is the increasing connections of economic, cultural, and political characteristics across Earth.]*
- ? How does globalization create or show connections across Earth? *[Globalization provides an opportunity to diffuse ideas, as well as learn about other places (including the cultural landscape).]*
- Click the link above to launch the map.

↓ Acquire

How have transportation advancements connected places on Earth?

- With the Details button underlined, click the button, Show Contents of Map (Content).
- Click the checkbox to the left of the layer name, World Transportation.
- ? Zoom to Europe.
- ? What do you notice about transportation networks? *[Roads cross international boundaries; some areas have more transportation than others.]*
- ? How can transportation affect interaction? *[Through trade, migration, and diffusion.]*
- Press the button, Measure. Press the second button, Distance. (See Measure-Distance tooltip on page 2.)
- ? What is the distance between New York City, New York, and Paris, France? *[Approximately 3,630 miles]*
- ? What makes connections between these two cities difficult? *[Large body of water; long distance.]*
- ? Which mode of transportation can make these places more connected? *[air]*

🔍 Explore

What places on Earth have less access to transportation?

- Zoom out to a global view.
- ? What patterns do you notice about transportation at a global scale? *[Physical features impede transportation routes; more developed countries (MDCs) have better transportation.]*
- Turn on the layer, Top 10 Airports.
- ? How are airports distributed? *[Airports with the most passengers are located in developed areas.]*
- Pan and zoom to an area with several transportation routes and one without.
- ? What may be the impact of globalization in areas? *[More traditional societies are less influenced by popular culture traits and materials; the physical environment can hinder globalization.]*

more ►

Analyze

What advancements in technology have contributed to globalization?

- Transportation advancements have contributed to creating connections on Earth.
- ? What transportation technologies bring places of great distance apart, together? [*Airplanes, highspeed rails, and highway networks help close distances.*]
- Turn on the layer, Internet Users Per 100 People (2016).
- ? What types of technology worldwide contribute to globalization? [*Cell phones with data access, the Internet, and TV/cable contribute to globalization.*]
- ? What do you notice about global Internet access? [*MDCs have more Internet users.*]
- ? How are Internet usage and transportation networks related? [*Answers may vary, but areas with developed transportation often have a higher proportion of Internet users.*]

Act

What is the future of globalization?

- Patterns of technology adoption and transportation exist throughout the world.
- ? What differences in access to technology and transportation exist worldwide? [*People in MDCs often have more access and can afford luxuries, whereas those living in less developed countries or rural areas have limited access.*]
- Turn on the layer, Internet Users per 100 People (1990-2015 time series). Note the time slider beneath map.
- ? Play the time series. How has Internet access changed over time around the world?
- ? How does access to advancements in technology, transportation, and infrastructure affect globalization? [*It creates more uniform landscapes and diffuses cultural traits.*]

MEASURE - DISTANCE

- Click the Measure tool.
- Select Distance, and then choose the unit of measurement.
- Click once to start measuring, click once to change direction, and double-click to stop measuring.

LAYER VISIBILITY

- Make sure that the Details button is underlined, and click the button, Show Contents Of Map (Content).
- To show individual map layers, select the check boxes next to the layer names.
- Hint: If a map layer name is light gray, zoom in or out on the map until the layer name is black. The layer can now be turned on.

Next Steps

DID YOU KNOW? ArcGIS Online is a mapping platform freely available to public, private, and home schools. A school subscription provides additional security, privacy, and content features. Learn more about ArcGIS Online and how to get a school subscription at <http://www.esri.com/schools>.

THEN TRY THIS...

- Map local cell towers, and then use ArcGIS Online analysis tools to perform a viewshed analysis to determine cellular coverage.
- Create a map focused on a globalization topic of interest. From its origin, map its spread across the world.

TEXT REFERENCES

This GIS map has been cross-referenced to material in sections of chapters from these texts.

- *The Cultural Landscape* by Pearson – Chapter 1
- *The Human Mosaic: A Thematic Introduction to Cultural Geography* by W.H. Freeman & Company – Chapter 12
- *Human Geography: People, Place, and Culture* by Wiley Press – Chapter 14