TEXAS INSTRUMENTS

TI-83 Plus
World Geography Facts

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What Is the World Geography Facts Application?

World Geography Facts is a handheld software application (App) for the TI-83 Plus that presents facts about every continent and virtually every country in the world. Multiple-choice quizzes test students on several topics, including:

- General information
- Location
- Religion

- Capitals
- Highest Points
- Language

Students can use the App as a study and review tool. They can tailor the quizzes by choosing the continent, the topic, and the number of questions in the quiz.

Sources used for World Geography Facts:

The World Factbook 2000 (US Central Intelligence Agency)
http://www.cia.gov/cia/publications/factbook/index.html

1999 Atlas of the World (National Geographic Society)
http://www.nationalgeographic.com/mapmachine/facts_fs.html

The World Geography Facts App is a concept application. Concept applications are shared with our customers, educators, and students before product definition and testing is complete. These applications may contain software imperfections and/or incomplete coding areas. They are "alpha" software versions.

TI invites feedback from teachers and students concerning the functionality and educational value of the World Geography Facts App. Please send your comments and questions to concept@list.ti.com.

Note	Within the App, abbreviations are used such as: USD is United States Dollar CFAF is Communaute Financiere Africaine franc.

What You Need

Note | In this guidebook, any information that pertains to the TI-83 Plus also pertains to the TI-83 Plus Silver Edition, unless otherwise noted.

Hardware and software	Notes
TI-83 Plus or TI-83 Plus Silver Edition with version 1.15 or higher of the operating system software	You can download a free copy of the latest operating system software from education.ti.com/softwareupdates. Follow the link to Operating Systems.
Computer with Microsoft® Windows® 95/98/2000, Windows NT®, or Apple® Mac® OS 7.1 or higher installed	
TI-GRAPH LINK™ computer-to-handheld cable	If you do not have this cable, call your distributor, or order the cable from the TI online store.
TI Connect™ software, which works with most supported models of Flash-based TI graphing products —or— TI-GRAPH LINK software that is compatible with the TI-83 Plus	You can download free copies of TI Connect and TI-GRAPH LINK software from education.ti.com/softwareupdates. Follow the link to Connectivity Software.

Where to Find Installation Instructions

Detailed instructions on installing this and other Apps are available at education.ti.com/guides. Follow the link to Flash Installation Instructions.

Note | The instructions in this guidebook are only for this App. If you need help using the TI-83 Plus, refer to its comprehensive guidebook at education.ti.com/guides.

Starting and Quitting the Application

Starting the Application

1. Press APPS to display the list of applications on your calculator.

2. Select **WorldGeo**. The application's information screen is displayed.

3. Press any key. The programmer's screen is displayed.

4. Press any key. The REFERENCES screens are displayed.

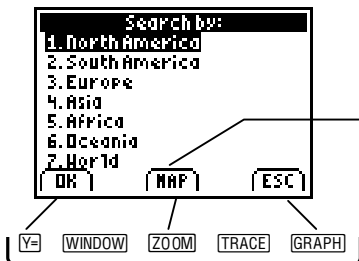5. Press any key. The application's Main Menu is displayed.

Quitting the Application

Press 2nd [QUIT] or select **ESC** (press the GRAPH key) repeatedly until you return to the Main Menu.

Select **Exit** from the menu.

Navigating

- To select an option defined at the bottom of the screen (such as **ESC** associated with the GRAPH key), press the graphing key directly below the option.

Press a graphing key to select one of these options. For example, press ZOOM to select **MAP**.

- To select a menu item, press ▲ or ▼ to highlight your choice, and then press ENTER or press Y= to select **OK**.

- To return to the previous screen, select **ESC** by pressing the GRAPH key, or press 2nd [QUIT].

Studying Facts

The Main Menu

There are four different options presented on the Main Menu.

- **Geography Facts** lets you study facts and maps.

- **Quiz** lets you take a quiz over the material.

- **About** displays the application's information screen.

- **Exit** closes the application.

1. Select **Geography Facts**. The Search by: screen is displayed.

2. Select the name of a continent, highlight the name, and press
   ENTER. The Countries screen is displayed.

```
┌─────────────────────────────┐
│ Countries - north America ▓ │
│ Canada                    ↑ │
│ Costa Rica                  │
│ Cuba                        │
│ Dominica                    │
│ Dominican Republic          │
│ El Salvador               ↓ │
│ ┌─ OK ─┐          ┌─ ESC ─┐ │
└─────────────────────────────┘
```

These arrows indicate that the list is
continued. Press ⏷ or ⏶ to scroll the
remainder of the list to view.

3. To select a country, use ⏷ and ⏶ to scroll through the list.
   When the country's name is highlighted, press ENTER.

Tip | To quickly find a specific country's name, press
        | ALPHA and the first letter of the name.

Facts on each country include:

- Latitude
- Longitude
- Area (in square km)
- Climate
- Lowest point
- Highest point
- Population

- Religion
- Language
- Literacy rate
- Life expectancy
- Capital
- GDP per capita (gross domestic product) (USD)
- Currency

Using Maps

Maps are displayed differently depending on whether you are viewing a continent or a country. You can select **MAP** by pressing the ZOOM key.

Continent

You can view a map of a continent to associate its name with its shape.

Note | When an outlying country is close, it appears on the Continent map. Example, when you move the cursor up on North America, you can see Russia.

1. From the Main Menu, select Geography Facts.

2. From the Search by: screen, highlight a continent's name and select **MAP**. The map of the highlighted continent displays.

Tip | To display more information, press TRACE to display an **x** cursor. Use the arrow keys to move the cursor. The name of a country or body of water is displayed when the cursor is on it. Press TRACE again to return to the previous map view.

3. Press $\boxed{\text{2nd}}$ $\boxed{\text{QUIT}}$ to return to the Search by: screen.

Country

You can view a map of the selected country to find its location within its continent.

1. From the Main Menu, select Geography Facts, select a continent, and select a country.

2. Select **MAP** by pressing the $\boxed{\text{ZOOM}}$ key.

   A map of the selected country displays. The country's name is displayed, and an **x** cursor identifies the country's location within the continent.

3. Use the arrow keys to move the **x** cursor to any country, ocean, or sea.

   The name of the country or body of water is displayed when the cursor is on it. Move the cursor to the edge of the display to view portions of the map that are not visible. You are viewing relative positions of the countries.

Note | The cursor might not be apparent if several countries are close in proximity. Move the cursor to see its location.
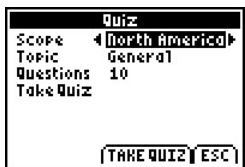
4. To close the map and return to the facts screen, press CLEAR or press 2nd [QUIT].

Taking a Quiz

After you have studied or reviewed the necessary facts, the World Geography Facts App lets you choose the material for a self-quiz.

Note | Do not press ENTER until you have made all of your selections.

1. From the Main Menu, select **Quiz**. The Quiz screen is displayed.

```
            Quiz
Scope     ◀ North America ▶
Topic       General
Questions   10
Take Quiz

            (TAKE QUIZ)(ESC)
```
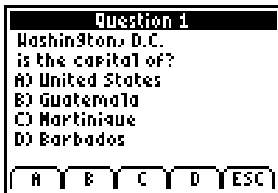
2. Press ▶ or ◀ to scroll through the continent names in the Scope menu. You can select **World** to include all continents. When the name of the continent you want appears, press ▼.

3. Press ▶ or ◀ to scroll through the topic names in the Topic menu. When the topic you want appears, press ▼.

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4. Press ▶ or ◀ to display either **5** or **10** questions in the Questions menu. When the number of questions you want appears, press ▼ to highlight **Take Quiz** and press [ENTER].
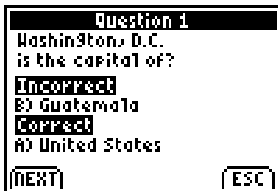
Tip | Alternatively, you can press [ZOOM] or [TRACE] to select **TAKE QUIZ**.

Now the quiz begins. The next screens present questions with four possible answers.

```
          Question 1
Washington, D.C.
is the capital of?
A) United States
B) Guatemala
C) Martinique
D) Barbados

[ A ][ B ][ C ][ D ][ESC]
```

1. Select **A**, **B**, **C**, or **D** to select your answer. (Press the graphing key below the option.)
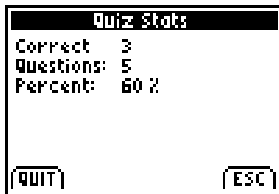
The World Geography Facts App gives you immediate feedback. If you answer incorrectly, the application displays both the incorrect and correct answers.

```
          Question 1
Washington, D.C.
is the capital of?
Incorrect
B) Guatemala
Correct
A) United States

[NEXT]              [ESC]
```

2. Select **NEXT** to continue.

Continue to answer the questions. If you want to leave the quiz, select **ESC**.

When you have answered the last question, your Quiz Stats are displayed, listing the number of correct answers, number of questions, and percent correct.

```
┌──────Quiz Stats──────┐
│ Correct   3          │
│ Questions: 5         │
│ Percent:  60 %       │
│                      │
│                      │
│ ┌────┐        ┌────┐ │
│ │QUIT│        │ESC │ │
└─┴────┴────────┴────┴─┘
```

4. Select **QUIT** to return to the Main Menu, or select **ESC** to select another quiz.

Note If the Quiz question is about the religion of a country and two answers are (Christian) and (Roman Catholic, Protestant), one could argue that Christian encompasses Roman Catholic and Protestant, but the best answer is really Roman Catholic and Protestant since that is what is listed in the Geography Facts.

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Deleting the Application from Your Calculator

1. Press [2nd] [MEM] to display the MEMORY menu.

2. Select **Mem Mgmt/Del**.

3. Select **Apps**.

4. Move the cursor to **WorldGeo**.

5. Press [DEL]. A confirmation message is displayed.

6. Select **Yes** to delete the application.

Installation Error Messages

Low Battery

Do not attempt to download a Flash application if the low-battery message appears on the home screen. Low battery indication is shown on the initial screen. If you receive this error during an installation, change the batteries before trying again.

Invalid Signature or Certificate

Either this calculator does not have a certificate to run the application, or electrical interference caused a link to fail. Try to install the application again.

Error in Xmit

This problem is usually associated with the unit-to-unit cable and its connection between the calculators. Make sure the cable is firmly inserted in the link port of each calculator.

Link Transmission Error

This error indicates that the TI Connect™ or TI-GRAPH LINK™ software is unable to communicate with the calculator. The problem is usually associated with the TI-GRAPH LINK cable and its connection to the calculator or to the computer.

- Make sure the cable is firmly inserted in the calculator's link port and the computer's serial or USB port.

- Verify that the correct cable type is selected in the software link settings.

- Verify that the correct communications port (Com Port) is selected in the software link settings. (This step does not apply if you are using the USB port and TI Connect software).

Archive Full

This error occurs when the TI-83 Plus does not have sufficient memory for the application. In order to make room for another application, you must delete an application or archived variables from the TI-83 Plus. Before you delete an application from the TI-83 Plus, you can save it on your computer using TI Connect™ or TI-GRAPH LINK™ software for the TI-83 Plus. You can reload it to the TI-83 Plus later using the TI Connect or TI-GRAPH LINK software.

Other Errors

See the "Error Conditions" section in Appendix B in the TI-83 Plus Guidebook for information about the specific error.

Checking Version Numbers and Free Space

Verify Operating System Version and ID Number

The World Geography Facts App is compatible with the
TI-83 Plus operating system 1.15 and higher.

To verify your operating system version number:

1. From the home screen, press [2nd] [MEM].

2. Select **ABOUT**.

The operating system version number is displayed below the
product name and has the format x.yy. The ID number appears on
the line below the product number.

Verify Flash Application Version

The version number appears on the information screen below the application name. To display the information screen, do one of the following:

- Press APPS, and then select **WorldGeo**.

  — or —

- Select **About** from the application's main menu.

Check Amount of Flash Application Free Space

1. From the home screen, press 2nd [MEM].

2. Select **Mem Mgmt/Del**.

The World Geography Facts App requires at least 49,152 bytes of **ARC FREE** (Flash), or three spaces, to load the application.

For more information about memory and memory management, refer to the TI-83 Plus Guidebook.

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Page Reference

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