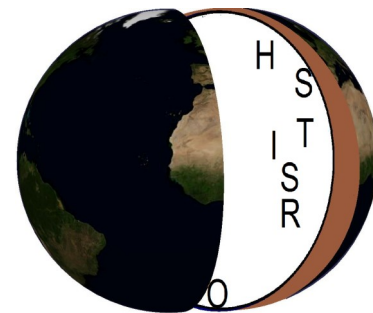


# Solution to Do It Rockapella

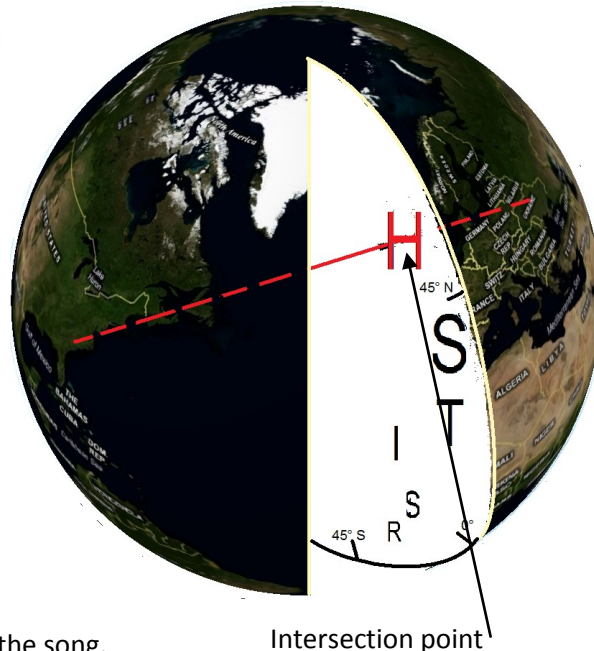
By Adam Liechty

1. The title, "Do It Rockapella", along with the image of the Earth and the flavor text point to the theme song of the popular PBS children's TV show "Where in the World is Carmen Sandiego?" [http://en.wikipedia.org/wiki/Where\\_in\\_the\\_World\\_Is\\_Carmen\\_Sandiego%3F\\_\(game\\_show\)](http://en.wikipedia.org/wiki/Where_in_the_World_Is_Carmen_Sandiego%3F_(game_show))
2. In the TV show, the theme song was sung after the winning contestant gave the command, "Do it Rockapella." Lyrics to the song ([http://lyricwiki.org/Rockapella:Where\\_In\\_The\\_World\\_Is\\_Carmen\\_San\\_Diego3F](http://lyricwiki.org/Rockapella:Where_In_The_World_Is_Carmen_San_Diego3F)) list locations around the globe.
3. A leap must be made that these locations must be followed in the order mentioned in the song.
4. The Earth, split in two along the Prime Meridian and International Date Line, hints that the white circular disk is meant to sit *inside* the earth. Further, the letters around the perimeter of the disk say "PRIME MERIDIAN" and "INTERNATIONAL DATE LINE".
5. The flavor text references "The shortest distance between two points" which is a straight line. A leap must be made to connect the world locations "as the mole digs" rather than "as the crow flies" by connecting them with straight lines through the interior of the earth.
6. As lines through the interior connect locations on the surface, the lines pass through letters on the disk when the disk cuts the sphere as shown and described. Note that consecutive locations in the same hemisphere (West vs. East) do not need to be considered, since their connecting line does not intersect the disk. Ignore letters after they have been used once, as instructed in the flavor text.



7. The first two locations in the song are Kiev and Carolina:  
Kiev, Ukraine                      50.44 N, 30.52 E  
Raleigh, North Carolina        35.79 N, 78.65 W

Connecting the two locations with a chord through the interior of the earth (you can eyeball this, visualizing the disk positioned correctly inside the globe) intersects the disk on the "H". Use your favorite online globe as an aide. I used the 3D view on <http://maps.live.com>.



8. The next location is Berlin. Carolina to Berlin takes us back through the same "H", but as mentioned in the flavor text, we only use letters once. Berlin to Belize also crosses the same "H". However, Belize to China (Beijing) intersects the disk at the upper "O". Continue tunneling to consecutive locations in the song.
9. The collected letters, in order are "HOOSIERST"
10. "The Hoosier State" is the state nickname of Indiana, so the answer is **INDIANA**