

Google Earth Scavenger Hunt

Introduction:

In this session we will be using a software tool called Google Earth to locate different Montana landmarks, and we will use a search engine to research those landmarks.

Installing Google Earth:

Step 1: Open Internet Explorer and go to <http://earth.google.com/download-earth.html>.

Step 2: Click the “Download Google Earth Button”.

Step 3: When asked to run or save the file, choose Run. This will run the Google Earth Installation program.

Step 4: To go through the Installation program, “Accept” when the User Agreement screen appears, and, when asked, choose a full installation.

Step 5: When the installation is finished, make sure that the box to reboot your computer IS NOT checked, and that the box to run Google Earth now IS checked.

The Scavenger Hunt:

Find these places using the “Fly To” search feature in Google Earth. Once you find a place, *right click* and choose “Save to My Places” so that the program will remember that place for you. On this worksheet, write down the *latitude* and *longitude* for that place. The *latitude* and *longitude* are shown at the bottom left of your Google Earth screen. Also see the definitions of latitude and longitude on the last page of this worksheet.

Places to Find

1. Your House

Latitude: _____ Longitude: _____

2. Montana Tech

Latitude: _____ Longitude: _____

3. Museum of the Rockies (hint: in Bozeman, near Montana State University)

Latitude: _____ Longitude: _____

4. World Museum of Mining (hint: in Butte, near Montana Tech)

Latitude: _____ Longitude: _____

The Scavenger Hunt Continued:

Find the following Montana landmarks using Google Earth, then use a search engine (like Google or Yahoo) to research the landmarks, and write a sentence or two about why each is important to Montana history:

Places to Find

1. The Berkeley Pit

Latitude: _____ Longitude: _____

2. Milltown Reservoir (hint: east of Missoula, on the Clark Fork River)

Latitude: _____ Longitude: _____

3. Big Hole National Battlefield (hint: near the Big Hole River)

Latitude: _____ Longitude: _____

4. Little Bighorn Battlefield National Monument

Latitude: _____ Longitude: _____

5. Lolo Pass (hint: between Idaho and Montana near Missoula; follow a road west from Lolo, Montana)

Latitude: _____ Longitude: _____

6. Anaconda Smelter (hint: on the east side of Anaconda; zoom in a lot to see it)

Latitude: _____ Longitude: _____

Additional Exercise:

Use the “Directions” feature in Google Earth to find routes:

1. From your house to Glacier National Park
2. From your house to Yellowstone National Park
3. From your house to wherever you would like to go

When you find a route, right click and choose “Save to My Places” to save it.

Definitions:

Latitude: Measurement of distance in degrees north or south of the Equator; from the Latin *latus*, meaning "wide".

Longitude: Measurement of distance in degrees east or west of the prime meridian; from the Latin *longus*, meaning "length".

Latitude is measured from the equator, with positive values going north and negative values going south. Longitude is measured from the Prime Meridian (which is the longitude line that runs through Greenwich, England), with positive values going east and negative values going west. So, for example, 65 degrees west longitude, 45 degrees north latitude is -65 degrees longitude, +45 degrees latitude.