Q1:
I chose the basemap with terrain and labels. I selected this map because I like to see the natural landscape, rivers, lakes, and mountain ranges help me to see the map as actual terrain and provides a sense of dimension that I appreciate. The types of themes or layers that will work well with this base map would probably have to do with population and land use.

Q2:
The highest income block group is: More than $82,000
The lowest income block group is: $24,000 or less

Q3:
I chose CA block group 060730117.004. There are 468 households in this block group and the median household income was $20,521 in 2012. This income is 59% below the U.S. Average. This block group runs just west of the Sand Diego Bay and along the Blue Trolley Line and I805. It appears that the blue line services similar households up and down the southern side of Sand Diego. The spatial relationship that I observe in this instance is that the blue lines primary purpose is to serve lower income communities within San Diego.

Q4:
The Green Trolley Line runs parallel to a fault line.

Q5:
Newport-Inglewood Rose Canyon fault zone is the name of the fault that runs parallel to the Green Trolley Line.

Q6:
The map I selected was a Zika Virus: Past, Present, and Future map. The app I selected was a Crowdsourcing Manager. The map was primarily informative. It offered explanation and narrative with the map as well as photo imagery and video to help users understand not only where the Zika Virus is but what it is. The crowd source manager was more interactive, instead of providing information up front it requires you to pick a subject, for example “Bird Observation Reports”. Once I selected a layer from the crowd sourcing manager I could a log and corresponding map where users logged bird sightings. I also could see the name of the person who entered the data. I think this could be useful because if I was interested in this subject I would know which crowdsourcing contributors were reliable and which were not.

Q7:
It appears the actual options to work through the steps leading up to answering this question are no longer valid. I was not able to select “legend” as an option. Because “legend” was not an option I selected “Basic” and created an app. Below is a screen shot of my app.
One thing I liked about the app that was not an option for the map is that it can be shared directly on social media, additionally the app had a more user friendly intuitive style to it. I feel the app was easier to work through because the technology used in the app is more familiar for this reason I think the app is best for publication and display.

Project:
Basemap Topography
Added layers: natural disasters, income levels, population density
02_HurricaneKatrina_2005 by Storymaps
2012 USA Median Household Income by esri
2012 USA Population Density by esri
Q8:
The URL of the map I created is [http://arcg.is/2gzXzC6](http://arcg.is/2gzXzC6)
To create this map I used:
Basemap Topography

Added layers: natural disasters, income levels, population density

02_HurricaneKatrina_2005 by Storymaps

2012 USA Median Household Income by esri
2012 USA Population Density by esri

Q9:

Web app URL:
https://emilys.maps.arcgis.com/home/webmap/configureApp.html?appid=693149780a094bd8ae80236dc7691a9

I used the “Compare analysis” template. The web application and the map in ArcGIS are different and in this case I think the map is more usable. It appears that the Compare Analysis template would be best used if I had more data. I thought maybe it could be used to compare data about population and income from hurricane Katrina but after publishing the app I found that it is more appropriately used to compare data from two similar events. For example, Map comparing data between Hurricane Katrina and Hurricane Andrew.