Biological Focus

1. What is a virologist? What does one do?

2. What kind of training/education do they require?

3. Where might they work?

4. What type of virus is zika (size, shape, classification, etc…)?

5. How is zika spread?

* 1. What is the vector?
  2. What is the mode of transmission?

6. What does zika do once it enters its host?

* 1. Target system(s)?
  2. Mode of reproduction?

7. How does zika invade its host (enter, travels to…, etc…)?

8. How does the immune system respond to zika?

9. What are the symptoms of zika? List the biological basis for all symptoms.

10. What condition(s) is/are causing zika to be more prevalent lately?

Epidemiological

1. What is an epidemiologist? What does one do?
2. What kind of training/education do they require?
3. Where might they work?
4. Where/when was zika first recognized?
5. What methods do epidemiologists use to trace outbreaks? What method(s) is/are used to trace zika?
6. How many outbreaks have occurred? How many people have been infected?
7. What is the mortality rate?
8. What type of individuals/populations are most likely to be infected?
9. What condition(s) is/are causing zika to be more prevalent lately?

Environmental/Social

1. What is a an environmental scientist? What does one do?

2. What kind of training/education do they require?

3. Where might they work?

4. Where did zika first occur/start?

5. Are there any commonalities between the locations where zika is found?

6. What types of communities are most affected/impacted by zika virus?

7. What sorts of precautions could citizens take to limit the spread of zika locally?

8. What sorts of precautions could individuals take to limit secondary impacts of zika? (birth

defects, judgements/social status, immunocompromisation, etc…)

9. What environmental changes are making zika more prevalent lately?