Mr. Hott’s Biology

For snow packet 17-21 we are going to construct a series of line graphs based on data from the CDC Weekly Surveillance Summary.

Your graph will consist of 10 different lines. Each line will represent one of the ten CDC regions. Each line needs to be of a different color so when you finish your graph it will have ten different colors. Use color pencils, crayons, or markers.

If you don’t have colored writing utensils then instead of using dots to mark your data on the graph use different shapes. For instance on line 1 you could use dots, for line 2 you could use squares to mark your data, and for line 3 you could use triangles to mark your data. Just use ten different shapes

I want you to use a piece of ¼" graph paper. Each box is ¼" so that four boxes in a row equal one inch. If you do not have graph paper you can download it for free and print it. Just Google free ¼" graph paper. If you can’t print it send me a message through Livegrades with your mailing address and I will mail you graph paper.

Set up your graph in portrait style not landscape. Draw your graph using a pencil not a pen or a marker. Make the boundaries of your graph four blocks in from the left of the page and four blocks up from the bottom of the page. The left vertical line is the Y-axis and the bottom, horizontal line is the X-axis.

Write a 0 at the bottom left corner of the graph. Along the X-axis number from 1 to 12. Skip a line between each number. Along the Y-axis number your lines in 100’s. In other words the numbers going up the Y-axis will be 100, 200, 300,… up to about 3600.

The attached pages on the Livegrade message contain the data that you will put on the graph. Let’s use Region 1 as our example. Week 1 is marked as 202010. Look to the right under the column # Pos. These are the number of Positive Covid-19 cases for Region 1. For week one the number of positive cases is 46. Now mark that on your graph. Now find Week 2 (202011). What is the number of positive cases? That’s right, 194. Now mark that on your graph. Continue marking all five weeks. Once you have marked all 5 weeks of data connect the dots using whatever color you have chosen. Again if you don’t have colored utensils then mark each data point with a shape and connect the shapes.

Repeat these steps for each of the 10 Regions. Again remember to use different colors for each region.

I will send you questions to answer as time goes on that pertain to the graph and I will being sending more data as it comes available. So this will be a continuing assignment.

Please send me any questions you may have to my Livegrade account. Take care of yourselves. I hope we get to see one another soon.

Region 1 (CT, ME, MA, NH, RI, VT)

Week # of Positives

202010 46 202011 194 202012 732 202013 700 202014 1,611

Region 2 (NJ, NY, PR)

Week # of Positives

202010 193 202011 786 202012 1,441 202013 1,808 202014 1,342

Region 3 (DE, DC, MD, PA, VA, WV)

Week # of Positives

202010 29 202011 210 202012 356 202013 777 202014 1,230

Region 4 (AL, FL, GA, KY, MS, NC, SC, TN)

Week # of Positives

202010 101 202011 459 202012 983 202013 1,623 202014 1,661

Region 5 (IL, IN, MI, MN, OH, WI)

Week # of Positives

202010 35 202011 404 202012 964 202013 2,089 202014 2,841

Region 6 (AR, LA, NM, OK, TX)

Week # of Positives

202010 11 202011 328 202012 864 202013 844 202014 996

Region 7 (IA, KS, MO, NE)

Week # of Positives

202010 43 202011 71 202012 148 202013 331 202014 517

Region 8 (CO, MT, ND, SD, UT, WY)

Week # of Positives

202010 28 202011 346 202012 352 202013 387 202014 954

Region 9 (AZ, CA, GU, HI, NV)

Week # of Positives

202010 185 202011 399 202012 405 202013 670 202014 687

Region 10 (AK, ID, OR, WA)

Week # of Positives

202010 274 202011 95 202012 249 202013 300 202014 338