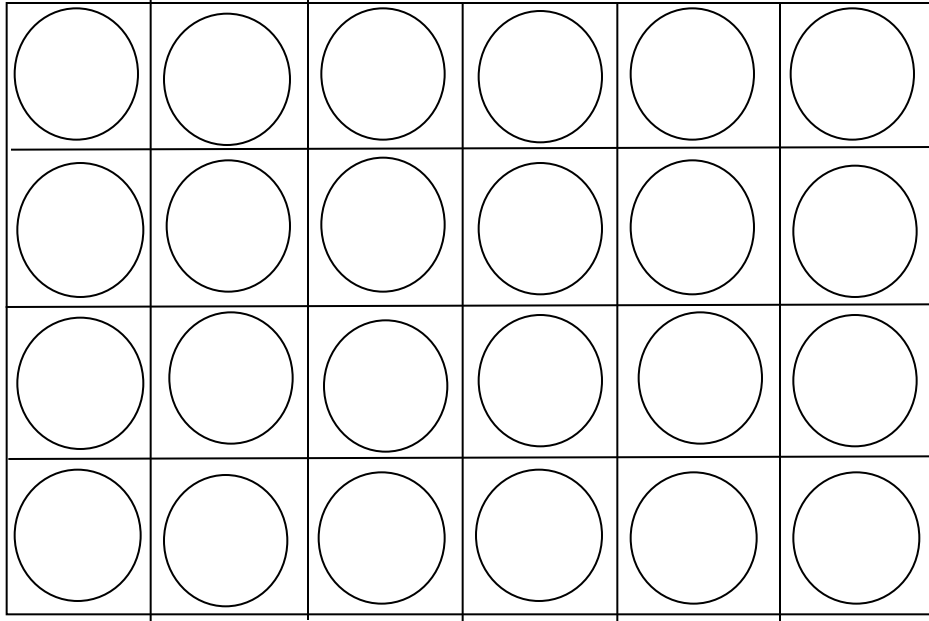
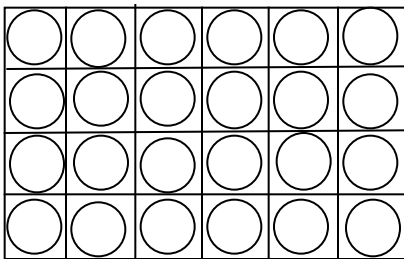


**Students can make this grid on the computer themselves**



1. Make a large rectangle
  - using the vertical and horizontal rulers, make the box 6 inches wide on the horizontal and 4 inches tall on the vertical
2. Make the grid
  - draw one line horizontal and make 3 more using the copy and paste commands. Place along the 1 inch lines on the ruler
  - draw one line vertical, make 4 copies using the cut and paste commands. place along the 1 inch lines
3. Add the wells
  - make a circle that is about the size of the grid block
  - make 23 more using cut and paste
  - place inside the grid
4. Reduce the size of the entire template so the plate fits on it.
  - In WORD, double-click on the image, then reduce the size to about 80% for both height and width



**Identifying wells when recording data --- the value of coding**

Students can number the wells as they wish, BUT, ask students to look carefully at the plate and note that the wells are already identified by A-D and 1-6. Ask them to indicate where well/box A1 is so that teammates are looking and recording from the same well. (1-6 along top row, 7-9 along the right side, 10-14 along bottom starting from the right)

Using a unique number makes it easiest to code the reaction wells.

In their lab books, students can write copious notes on what is happening in each well, while having the easy code for each well: 1-24 or something else simple.