PEOPLE Polymers Section – Quiz covering polymer section day 1 material

NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Tape notebook pages in when you are done!

1) Draw a neutrally-charged carbon atom that has 6 neutrons in its nucleus. Make sure to clearly show which shell each electron is in!

2) How many electrons does carbon have in its outermost shell? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) The structure for poly(methyl methacrylate), also known as Plexiglas, is shown on the board. Based off of the structure of this polymer, draw the methyl methacrylate.

4) The structure for vinyl chloride is shown on the board. Draw the polymer polyvinyl chloride with at least three repeating units. This is PVC, the white plastic used for water pipes.