

APES activity – www.scorecard.org

PART 1: PINELLAS COUNTY FACILITIES RELEASING TRI CHEMICALS TO THE ENVIRONMENT

- 1) Calculate the *total pounds* per city:
a) St. Pete b) Largo c) Clearwater d) Tarpon Springs e) Pinellas Park f) Oldsmar
 - 2) Calculate the *percentage* per city:
a) St. Pete b) Largo c) Clearwater d) Tarpon Springs e) Pinellas Park f) Oldsmar
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PART 2: MAJOR POLLUTANTS – PINELLAS COUNTY

- 3) Calculate the county total for pounds.
 - 4) Calculate the county average for pounds.
 - 5) Choose to do a BAR graph, LINE graph, or PIE chart. Graph the 20 pollutants of Pinellas County. Title and label your graph, and use colors.
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PART 3: TOTAL ENVIRONMENTAL RELEASES – FLORIDA

- 6) Choose to do a BAR graph, LINE graph, or PIE chart. Graph the top 20 pollutants of the state of Florida. Title and label your graph, and use colors.
 - 7) Look at the **MAJOR POLLUTANTS – PINELLAS COUNTY** list. Calculate the percentage of each of those 20 chemicals as compared to the total Florida numbers:
 - a) sulfuric acid
 - b) hydrochloric acid
 - c) methanol
 - d) 1,1-dichloro-1-fluoroethane
 - e) toluene
 - f) methyl ethyl ketone
 - g) lead compounds
 - h) copper compounds
 - i) nitrate compounds
 - j) naphthalene
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PART 4: TOTAL ENVIRONMENTAL RELEASES – UNITED STATES

- 8) List the names of any chemicals you recognize.
 - 9) Choose to do a BAR graph, LINE graph, or PIE chart. Graph the top 20 pollutants of the U.S. Title and label your graph, and use colors.
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SUMMARY

- 10) Was there anything in the lists that surprised you? Did you expect more chemicals to be listed? Why or why not? What did you learn from examining the lists?