**AP Environmental Science Timeline Project – 100 points**

Create a timeline with the following important events, people, and laws in environmental science. You will need to attach several papers together to create a long sheet of paper for your timeline. For each item in ***bold and italics*** you will also need to describe the event, person or law in one or two sentences.

Must be ***hand-made***. No typing allowed. It is too easy to copy and paste the description of each item and I want you to learn the information. Include a ***MINIMUM of 10 pictures*** on your timeline (minimum means the least I would expect to earn a passing grade). These could be pictures of important people, places, or events on your timeline. You can print them from the computer and paste on, or you can draw them. Your timeline should be ***straight, attractive, neatly labeled,*** and ***descriptions should be neatly and legibly written in ink***. Items should be placed on your timeline ***to scale*** (eg, do not just make a line and list the events in order on the line. Scale it by time increments and place items on it appropriately).

Do your OWN work. ***Descriptions must be*** ***in your own words***. The items on your timeline are important and you need to know them for the AP exam and for your Timeline Quiz!!!

\* 10,000 years ago: Agricultural Revolution

\* 275 years ago: Industrial Revolution

***\* 1838: John Muir (date born) – why was he important? \****

***\* 1854: Walden by Henry David Thoreau \****

***\* 1862: Homestead Act \****

\* 1872: Yellowstone National Park founded

\* 1875: American Forestry Association founded

\* 1890: Yosemite plus Sequoia National Park founded

***\* 1892: Sierra Club founded \****

***\* 1900: Lacey Act \****

\* 1901-09: Golden Age of Conservation (Theodore Roosevelt)

***\* 1903: First national wildlife refuge established \****

***\* 1905: U.S. Forest Service founded \****

***\* 1905: Gifford Pinchot \****

***\* 1905: Aldo Leopold \****

***\* 1905: Audubon Society founded \****

***\* 1906: Antiquities Act \****

**\*** 1907: Congress became upset because Roosevelt was waving so much forest land so they banned

 further withdrawals.

\* 1912: U.S. National Park service founded

\* 1930s: Dust Bowl

***\* 1933: Soil Conservation Service founded \****

***\* 1933: Civilian Conservation Corps founded (discuss what the CCC was & environmental types of projects)\****

***\* 1934: Taylor Grazing Act \****

***\* 1934: Migratory Bird Hunting Stamp Act \****

***\* 1940: Fish plus Wildlife Service founded \****

***\* 1962: Silent Spring published by Rachel Carson \****

***\* 1963: Wilderness Act \****

***\* 1968: Wild and Scenic Rivers Act \****

***\* 1969: Cuyahoga River in Cleveland, Ohio, caught fire \****

***\* 1969: NEPA (National Environmental Policy Act) \****

\* 1970: First Earth Day

\* 1970: Environmental Protection Agency established

***\* 1970: Clear Air Act established*** \* (Revised 63, 65, 70, 77, 90)

***\* 1973: Endangered Species Act \****

***\* 1973: FIFRA - Federal Insecticide, Fungicide, and Rodenticide Control Act \**** (Revised 72, 75, 78, 88)

***\* 1973: OPEC and Oil Embargo \****

***\* 1974: Roland and Molina (UCI) – CFC’s and ozone announcement \****

***\* 1976: RCRA (Resource Conservation and Recovery Act) \****

***\* 1977: Clean Water Act \****

***\* 1977: Surface Mining Control and Reclamation Act \****

***\* 1978: Love Canal, NY (toxic waste leaks into residential houses) \****

***\* 1979: Three Mile Island Nuclear Accident \****

***\* 1980: Alaskan Lands Act \****

***\* 1984: Bhopal, India (chemical toxic cloud) \****

***\* 1986: Chernobyl \****

***\* CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act***  ***[Super-Fund] \****

(Revised 80, 86, 90)

***\* 1987: Montreal Protocol \****

***\* 1989: Exxon Valdez \****

***\* 1992: Energy Policy Act of 1992 \****

***\* 1994: Desert Protection Act \****

\* 1999: World population hits 6 billion.

***\* 1997-2005: Kyoto Protocol \****

***\* 2007-2008: IPCC Report on Climate Change \****

***\* 2010: Gulf Oil Spill \****

\* 2010: Nuclear Disaster in Japan

\* 2012: World population hits 7 billion

\* 2014: California Drought Causes Concern

\* 2015: UN Climate Change Conference (COP 21) held in Paris, France

Use your textbook and searches on the web to obtain information for the descriptions of each item. The following website may be helpful:

<http://www.nytimes.com/interactive/2010/04/22/science/earth/20100422_environment_timeline.html?hp>

http://www.runet.edu/~wkovarik/envhist/

<http://www.worldwatch.org/brain/features/timeline/>

Timeline Rubric

**Timeline Quality Total Score**

* Attractive Appearance (20) \_\_\_\_\_\_\_\_\_\_\_\_/20
* 10+ Appropriate Visuals (20) \_\_\_\_\_\_\_\_\_\_\_/20
* Neatly Hand-labeled in Ink (20) \_\_\_\_\_\_\_\_\_\_\_/20
* Scaled Appropriately (20) \_\_\_\_\_\_\_\_\_\_\_/20
* Includes all required Items (20) \_\_\_\_\_\_\_\_\_\_\_/20

**FINAL GRADE: \_\_\_\_\_\_\_\_\_\_/100**