

115 WAYS TO GO APE

1. Ionizing radiation:
2. High Quality Energy:
3. Low Quality Energy:
4. First Law of Thermodynamics:
5. Second Law of Thermodynamics:
6. Natural radioactive decay:
7. Half life:
8. Estimate of how long a radioactive isotope must be stored until it decays to a safe level:
9. Nuclear Fission:
10. Nuclear Fusion:
11. Ore:
12. Mineral Reserve:
13. Best solution to Energy shortage:
14. Surface mining:
15. Humus:
16. Leaching:
17. Illuviation:
18. Loam:
19. Solutions to soil problems:
20. Parts of the hydrologic cycle:
21. Aquifer:
22. Cone of depression:
23. Salt water intrusion:
24. ENSO:
25. During an El Nino year:
During a Non El Nino year:
26. Effects of El Nino:
27. Nitrogen fixing:
28. Ammonification:
29. Nitrification:
30. Assimilation:
31. Denitrification:
32. Phosphorus does not circulate as easily as N because:
33. Because soils contain very little phosphorus:
34. Excess phosphorus is added to aquatic ecosystems by:
35. Photosynthesis:
36. Aerobic respiration:
37. Largest reservoirs of C:
38. Biotic/abiotic:
39. Producer/Autotroph:
40. Major trophic levels:
41. Energy flow in food webs:
42. Why is only 10% transferred:
43. Primary succession:
44. Secondary succession:
45. Mutualism:
46. Commensalism:
47. Parasitism:
48. Biome:
49. Carrying capacity:

50. R strategist:
51. K strategist:
52. Natural selection:
53. Malthus:
54. Doubling time:
55. Replacement level fertility:
56. World Population is:
57. Preindustrial stage:
58. Transitional stage:
59. Industrial stage:
60. Postindustrial stage:
61. Age structure diagrams:
62. 1st & 2nd most populated countries:
63. Most important thing affecting population growth:
64. Ways to decrease birth rate:
65. Percent water on earth by type:
66. Salinization of soil:
67. Ways to conserve water:
68. Point vs non point sources:
69. BOD:
70. Eutrophication:
71. Hypoxia:
72. Minamata Disease:
73. Primary air pollutants:
74. Secondary pollutants:
75. Particulate matter (Source, Effect, Reduction):
76. Nitrogen Oxides: (Source, Effects, Equation for Acid Formation, Reduction)
77. Sulfur oxides: (Source, Effects, Equation for acid formation, Reduction)
78. Carbon oxides: (Source, Effects, Reduction)
79. Ozone: (Formation, Effects, Reduction)
80. Industrial smog:
81. Photochemical smog:
82. Acid deposition:
83. Greenhouse gases: (Examples, Effect)
84. Effects of global warming:
85. Ozone depletion caused by:
86. Effects of ozone depletion:
87. Love Canal, NY:
88. Municipal solid waste is mostly:
89. Most municipal waste is:
90. Sanitary landfill problems and solutions:
91. Incineration advantages:
92. Incineration disadvantages:
93. Best way to solve waste problem:
94. Keystone species:
95. Indicator species:
96. Most endangered species:
97. In natural ecosystems, 50-90% of pest species are kept under control by:
98. Major insecticide groups and examples:
99. Pesticide pros:
100. Pesticide cons:
101. Natural pest control:

- 102. Electricity is generated by:
- 103. Petroleum forms from:
- 104. Pros of petroleum:
- 105. Cons of petroleum:
- 106. Steps in coal formation:
- 107. Major parts of a nuclear reactor:
- 108. Two most serious nuclear accidents:
- 109. Alternate energy sources:
- 110. LD50:
- 111. Mutagen, Teratogen, Carcinogen:
- 112. Multiple use US public land:
- 113. Moderately restricted use land:
- 114. Restricted Use lands:
- 115. Volcanoes and Earthquakes occur: LAWS, LAWS & MORE LAWS

MINING

- 1. Surface Mining Control & Reclamation Act:
- 2. Madrid Protocol:
- 3. Safe Drinking Water Act:

WATER

- 4. Clean Water Act:
- 5. Water Quality Act:
- 6. Ocean Dumping Ban Act:

AIR

- 7. Clean Air Act:
- 8. Kyoto Protocol:
- 9. Montreal Protocol:

WASTE

- 10. Resource Conservation & Recovery Act:
- 11. Comprehensive Environmental Response, Compensation & Liability Act:
- 12. Low Level Radioactive Policy Act:
- 13. Nuclear Waste Policy Act:

LIFE

- 14. Endangered Species Act:
- 15. Convention on International Trade in Endangered Species:
- 16. Federal Insecticide, Fungicide, Rodenticide Act:
- 17. Food Quality Protection Act:
- 18. National Environmental Policy Act: