

1. The US miles per gallon standard in comparison with the standards in other countries. Why the difference is so big?
2. The importance of Antarctica and unique biosphere. Conservation of the Antarctic
3. The types of the clouds, the causes of their formation and the importance of the different clouds
4. Biomes and Ecosystems. What is considered a biome? Can the new biome types emerge in the future?
5. Are electric cars better for the environment?
6. What is the impact of vehicle tires to the environment?
7. How is plastic impacting the environment and how can its impact be mitigated?
8. What is sea level rise and what will be its impact?
9. What is the impact of palm oil tree plantations on the environment?
10. Why are manta rays harvested and what is the impact to their population?
11. What is ocean acidification and what is its impact to the environment?
12. What is ozone depletion and what is the impact to the environment.
13. How do dams impact the environment?
14. Is farmed salmon healthier and what is the impact of farming salmon to the environment?
15. Is human population growth rate sustainable and what is the impact to the environment?
16. Acid rains. Are they something solely connected to the industrial activities of the humanity?
17. Prehistoric wildlife and its role in the development of the future ecosystems
18. Chernobyl and Fukushima disasters. Their impact on the ecology of the entire planet
19. The importance of coral reefs and the consequences of their possible extinction
20. Green energy. Is it really green? How can it impact the ecology of the planet?
21. Can humanity actually benefit the Earth or shall we talk about minimising the harm only?
22. Tectonic movements. Can they impact the ecosystems?
23. Global warming: is it caused by humanity or is just a part of a natural cycle of the Earth?
24. Endangered species: why does humanity try to prevent their extinction?
25. Is extinction a natural thing? Shall we, as humans interfere into this process?
26. Deep Sea Mining: is it safe enough for the oceans?
27. The consequences of deforestation: can planting the new trees still help?
28. The importance of the Gulfstream. Does this current change with time?
29. Global warming and glaciers: what can happen if they melt?
30. National parks: are they really important at global scale?
31. Greenpeace organisation and its role in preserving the global ecology
32. The main causes of groundwater contamination and the risks connected with it
33. The endemic wildlife. Why is it so unique?
34. What is little ice age and what impact it may have on the climate?
35. Reinforcing the ozone layer: is it possible?
36. The idea of sustainable consumption: to what extent can we implement it into the real life?
37. Tropical rainforests and their importance for the atmosphere
38. Oil industry and oil pollution. Can oil be useful for the ecosystem?
39. Volcanoes and their activity. The role of volcanoes in development of the modern Earth
40. Seasonal weather changed in different regions. How the local ecosystems deal with them?
41. Spreading of the deserts. Is it reversible? The impact of desert spreading on the local wildlife

42. Water management in the U.S. Do we still have enough water?
43. The distribution of the resources on Earth. Are plentiful resources always better than scarce ones?
44. The industry of recycling: a business or a way of saving the planet?
45. Natural and artificial radioactivity: can the life on Earth get used to radiation?
46. The possible future of evolution: what will happen to ecosystems in 10 000 years?
47. Paleoecology: what can we learn from the past?
48. Greenhouse effect: how can humanity harness it?
49. The life in extreme conditions: how did they manage to survive?
50. Forest fires and renewal of the forests: how does the ecosystem cope with the disaster?
51. Ponds and lakes: the big importance of small water bodies
52. Soil pH and plant growth
53. Soil-less culture different materials (coffee grinds, teabags, hydroponics)
54. Composting effect on litter/food
55. Biodegradable? Test different materials
56. Silt in water- turbidity and effects on plants
57. Do pollution levels vary with depth- soil or water
58. Effect of nitrate levels on plants (water or land pollution)
59. Comparison of different soils on invertebrate populations
60. Invasive species (succession, impact)-I am going to a summer workshop on this topic and might have ideas...if
61. interested email me mid-July.
62. Distance from roads and pollution/effect on bird diversity/ wildlife/ plant growth ect)
63. Impact of tourism on an ecosystem (trash footprint)
64. Boat speeds and manatees
65. Biodiversity- effects of urbanization/ roads/ road kill ect
66. Sound/noise pollution (airports)
67. Air studies comparing particles (maybe during rush hour and off hours, city and state average)
68. Air pollution (vary with season, traffic, industry, smog particles)
69. Alternative solutions:
70. Green spaces in cities
71. Biofuel from different vegetables
72. Recycling
73. Greenhouse issues/ green schools/ alternative energy
74. Green detergents- do they affect plants less than normal ones?
75. Seed germination
76. Succession- fire, hurricane
77. Impacts of chemicals and plant growth (land or water)
78. Organic vs. inorganic fertilizers
79. Acid rain on plants/ water/ rocks/buildings
80. Comparison of drinking water bottled vs. tap (A lab would have to test this for you)
81. Use of grey water to health of plants or biomass of plant or leaf area index
82. Pond/lake/creek pollution (water test, turbidity, clarity, pH)
83. Salt water intrusion (effects on lawns, plants ect)

84. Acidification of oceans effects on seashells, corals
85. Oil pollution- best cleanup methods
86. Beach erosion
87. Efficiency of seawalls/ sea defenses/ flood prevention
88. Effect of nitrate levels on plants (water or land pollution)
 - a. coral reefs vs. artificial reefs