**Princeton AP Env.Science 2017 answers**

1. **A** The Montreal Protocol was signed in 1987 by 36 nations concerned with the depletion of the ozone layer by chloroﬂuorocarbons (CFCs). The pact stated that CFCs had to be reduced 35 percent between 1989 and 2000. There was a further reﬁnement of the agreement in Copenhagen, Denmark in 1992.
2. **B** HMTA was passed in 1975 with the intention of deﬁning what a hazardous material was and setting rules for Hazmat shipment.
3. **D** The Marine Mammal Protection Act, established in 1972, is legislation that protects marine mammals in the world’s oceans.
4. **D** Large federal projects that might have a large impact on the environment must produce an environmental impact statement. This is mandated by the 1969 National Environmental Policy Act.
5. **A** In 1962, Rachel Carson published the book Silent Spring. In this book she describes the problems associated with the overuse of pesticides—mostly DDT. She explains how pesticides were affecting bird populations in the United States. The book, along with her advocacy, changed the way people thought about the impact of pesticides.
6. **E** The CAA (Clean Air Act) enabled 110 of the most polluting power plants in 21 states to buy and sell pollution rights. This regulated how much pollution (802) each plant could produce. If the plant produces an amount under the level, it receives a “credit” which can be kept or sold to another plant that is producing pollution.
7. **E** Environmental economics is the study of the impact of the goods and services economy, particularly market systems of allocation on environmental quality and ecological integrity. It also takes into consideration the economic basis for pollution problems and policy alternatives. Discussions of environmental issues always include monetary and economic considerations. For example, what are the relative costs and beneﬁts of proposed policies?
8. **B** The Endangered Species Act was passed by Congress in 1973 to provide protection for species that are threatened with extinction. This act authorizes Federal Agencies to undertake conservation programs to protect species listed as endangered or threatened, and to purchase land to protect habitats.
9. **D** Holistic viewpoints center on the belief that we are one of many species on the planet, and that we interact with all species. They also believe that if we harm the planet, we harm ourselves. The other options are all “planet management” viewpoints.
10. **C**  Sustainability depends on the long-term utilization of resources; this is described in (C). The other options could cause resources to be used up more rapidly.
11. **E**  A cap-and-trade policy limits carbon dioxide in the atmosphere by implementing caps and offering incentives for reducing emissions.
12. **A** WWF is an organization that is not associated with any branch of government. It is an NGO.