HUMAN IMPACT ON ENVIRONMENT #2 NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **FRACKING ACIDIFICATION CALCIUM DEEPWATER HORIZON**

 **FOSSIL FUELS FUKUSHIMA FERTILIZER CO2 EUTROPHICATION**

 **GREENHOUSE POACHING BIODIVERSITY INJECTED**

Use words from the word bank above to complete the following.

1. The burning of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the cause of smog, acid rain, acidification of oceans, and global climate change.

2. Oceans become more acidic when \_\_\_\_\_\_\_\_\_ in the atmosphere dissolves in ocean water.

3. An earthquake and following tsunami caused an accident at the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nuclear power plant in Japan that released large amounts of radioactivity into the environment in 2011.

4. An explosion at the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ oil rig in 2010 dumped 220 million gallons of oil into the Gulf of Mexico damaging the ecosystem and killing wildlife.

5. During “fracking” high pressure water and chemicals are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ underground to break open cracks in the rock and release oil and natural gas

6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of oceans can result in leaching of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ out of coral reefs and the shells of snails, clams, and other sea organisms.

7. Runoff of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and animal waste into lakes or oceans can produce Dead Zones, when algae get unlimited nutrients.

8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the process that follows an algal bloom, in which lack of sunlight and break down of dead organisms by decomposers creates low oxygen areas that result in the death of plants and animals.

9. Methane, CO2, water vapor, nitrous oxide, and ozone are all examples of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gases that can impact global climate.

10. Overhunting and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (illegal hunting) have resulted in decreases in many animal populations so that they are in danger of becoming extinct.

11. All of the environmental problems you have learned about can damage habitats, harm species, and decrease \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the total number of different species living on the earth.

12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ uses huge amounts of water, can contaminate soil and ground water, and

can increase the incidence of earthquakes.

MULTIPLE CHOICE. CIRCLE ALL THAT ARE TRUE.
**There could be more than one correct answer.**

Circle ALL of the following that are consequences to humans from exposure to radioactivity:
 A. death
 B. diabetes
 C. cancer

 D. mutations in DNA

Circle ALL of the following that are consequences of increased greenhouse gases, like CO2, in the atmosphere:
 A. acidification of oceans
 B. increase in frequency and severity of storms
 C. heat waves and drought
 D. increased forest fires
 E. ice cap melting.
 F. coastal flooding
 G. invasive species
 H. endangered species

Which of the following environmental problem was the Kyoto Accord intended to help?

 A. overhunting of whales

 B. global climate change

 C. deforestation

 D. ozone depletion

TRUE or FALSE
The “greenhouse effect” is harmful to the planet and we should work to totally eliminate it. TRUE FALSE

The United States is currently participating in the Paris Climate agreement. TRUE FALSE

The British Petroleum (BP) oil company has cleaned up the oil spilled in the Gulf of TRUE FALSE
Mexico and the ecosystem there has returned to conditions prior to the accident.

The authorities have cleaned up after the Fukushima nuclear power plant meltdown TRUE FALSE
and the ecosystem there has returned to conditions prior to the accident.

The goals for greenhouse gas reductions in the Kyoto Accord were never reached and the agreement expired in 2012. What is the next plan for the future?

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