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https://www.100test.com/kao_ti2020/122/2021_2022_2005_E5_B9_B401_E6_c83_122111.htm Passage Three Questions 21 to 25 are based on the following passage. Lead deposits, which accumulated in soil and snow during the 1960s and 70s, were primarily the result of leaded gasoline emissions originating in the United States. In the twenty years that the Clean Air Act has mandated unleaded gas use in the United States, the lead accumulation world-wide has decreased significantly. A study published recently in the journal Nature shows that air-borne leaded gas emissions from the United States were the leading contributor to the high concentration of lead in the snow in Greenland. The new study is a result of the continued research led by Dr. Charles Boutron, an expert on the impact of heavy metals on the environment at the National Center for Scientific Research in France. A study by Dr. Boutron published in 1991 showed that lead levels in arctic(北极的) snow were declining. In his new study, Dr. Boutron found the ratios of the different forms of lead in the leaded gasoline used in the United States were different from the ratios of European, Asian and Canadian gasolines and thus enabled scientists to differentiate (分区) the lead sources. The dominant lead ratio found in Greenland snow matched that found in gasoline from the United States. In a study published in the journal Ambio, scientists found that lead levels in soil in the North-eastern United States had decreased markedly since the introduction of unleaded gasoline. Many

scientists had believed that the lead would stay in soil and snow for a longer period. The authors of the Ambio study examined samples of the upper layers of soil taken from the same sites of 30 forest floors in New England, New York and Pennsylvania in 1980 and in 1990. The forest environment processed and redistributed the lead faster than the scientists had expected. Scientists say both studies demonstrate that certain parts of the ecosystem (生态系统) re-pond rapidly to reductions in atmospheric pollution, but that these findings should not be used as a license to pollute.²¹ The study published in the journal Nature indicates that A) the Clean Air Act has not produced the desired results B) lead deposits in arctic snow are on the increase C) lead will stay in soil and snow longer than expected D) the US is the major source of lead pollution in arctic snow²². Lead accumulation worldwide decreased significantly after the use of unleaded gas in the USA) was discouraged B) was enforced by law C) was prohibited by law D) was introduced²³. How did scientists discover the source of lead pollution in Greenland? A) By analyzing the data published in journals like Nature and Ambio. B) By observing the lead accumulations in different parts of the arctic area. C) By studying the chemical elements of soil and snow in Northeastern America. D) By comparing the chemical compositions of leaded gasoline used in various countries.²⁴ The authors of the Ambio study have found that A) forests get rid of lead pollution faster than expected B) lead accumulations in forests are more difficult to deal with C) lead deposits are widely distributed in the forests of the US D) the upper layers of soil in forests are easily

polluted by lead emissions²⁵. It can be inferred from the last paragraph that scientistsA) are puzzled by the mystery of forest pollutionB) feel relieved by the use of unleaded gasolineC) still consider lead pollution a problemD) lack sufficient means to combat lead pollution 100Test 下载频道开通，各类考试题目直接下载。详细请访问 www.100test.com