

职称英语概括大意练习2 PDF转换可能丢失图片或格式，建议
阅读原文

https://www.100test.com/kao_ti2020/129/2021_2022__E8_81_8C_E7_A7_B0_E8_8B_B1_E8_c91_129264.htm Soot and Snow : a Hot Combination! New research from NASA scientists suggests emissions of black soot alter the way sunlight reflects off snow . According to a computer simulation , black soot may be responsible for 25 percent of observed global warming over the past century . 2 Soot in the higher latitudes of the Earth。 where ice is more common , absorbs more of the sun ' s energy and warmth than an icy, white background . Dark-colored black carbon , or soot , absorbs sunlight , while lighter colored ice reflects sunlight . 3 Soot in areas with snow and ice may play all important role in climate change . Als0 , if snow and ice covered areas begin melting 。 the warming effect increases , as the soot becomes more concentrated on the snow surface . “ This provides a positive feedback , as glaciers and ice sheet smelt,they tend to get even dirtier, ” said Dr . James Hansen , a researcher at NASAs Goddard Institute for Space Studies , NewYork . 4 Hansen found soot ' s effect on snow albedo(solar energy reflected back to space) , which may be contributing to trends toward early springs in the Northern Hemisphere , such as thinning Arctic sea ice , melting glaciers and permafrost . Soot also is believed to play a role in changes in the atmosphere above the oceans and land . 5 “ Black carbon reduces the amount of energy reflected by snow back into space , thus heating the snow surface more than if there were no black carbon~ ,

” Hansen said . Soot ’ s increased absorption of solar energy is especially effective in warming the world ’ s climate. “ This forcing is unusually effective , causing twice as much global warming as a carbon . dioxide forcing of the same magnitude , ” Hansen noted . 6 Hansen cautioned . although the role of soot in altering global climate is substantial , it does not alter the fact that greenhouse gases are the primary cause of climate warming during the past century . Such gases are expected to be the largest climate forcing f10r也e rest of this century . 7 The researchers found that observed warming in the Northern Hemisphere was 1arge in the winter and spring at middle and high latitudes . These observations were consistent with the researchers ’ climate model simulations , which showed some of the largest warming effects occurred when there were heavy snow cover and sufficient sunlight .

词汇 : soot n . 煤烟 , 煤灰
emission n . 释放 , 散发 , 排放
simulation v . 模拟
latitude n . 纬度
glacier n . 冰川 , 冰河
albedo n . 反照率
permafrost n . 永冻层
forcing n . 温室作用
dioxide n . 二氧化物
magnitude n . 量 , 大小

练习 : 1 . Paragraph 3 _____ 2 . Paragraph 4 _____ 3 . Paragraph 6 _____ 4 . Paragraph 7 _____ 5 . In the twentieth century , soot _____ 6 . Hansen cautioned that greenhouse gases _____ 7 . Black soot covered snow and ice _____ 8 . A soot forcing is unusually effective , which _____

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