1 Environmental Science

Urban he_ _ islands occur when metropolitan ar _ _ _ experience significantly higher temperatures t_ _ _ surrounding rural regions. This phenomenon i_ primarily caused b_ the replacement o_ natural vegetation with concrete, asphalt, and ot_ _ _ heat-absorbing materials. The _ _ surfaces retain solar radiation during the d_ _ and release it slowly at night, preventing the city from cooling efficiently. In addition, h_ _ _ population density contributes to increased en_ _ _ _ consumption, which generates excess heat. As a result, urban plan_ _ _ _ are increasingly exploring mitigation strategies s_ _ _ as green roofs, reflective building materials, a_ _ expanded tree coverage to reduce thermal accumulation.

2 Psychology

Cognitive bias refers t_ systematic patterns o_ deviation from rational judgment. Rather th_ _ processing information object_ _ _ _ _ , individuals often rely on mental shortcuts kn_ _ _ as heuristics. While heuristics enable rap_ _ decision-making, they may also l_ _ _ to persistent errors in reasoning. For instance, confirmation b_ _ _ causes individuals to fav_ _ evidence that supports their preexisting beliefs while disregarding contradict_ _ _ information. Over time, such tendencies c_ _ distort perception and reinforce polarized viewp_ _ _ _ _, particularly in digital environments w_ _ _ _ algorithms personalize content exposure.

LIVEWORKSHEETS

3 Economics – Supply Chain Disruption

Global supply chains ha_ _ become increasingly interconnected o_ _ _ the past several decades. Although th_ _ integration has improved efficiency a_ _ reduced production costs, it has also cr_ _ _ _ _ vulnerabilities. When disruptions occur—whether d_ _ to geopolitical conflict, natural disasters, or pandemics—the consequences can b_ widespread and seve_ _ . A shortage of critical components in one region m_ _ halt manufacturing operations in another. Consequently, m_ _ _ firms are reconsidering their reliance o_ single-source suppliers and are diversifying procurement strategies to enh_ _ _ _ resilience.

LIVEWORKSHEETS