

題號： 182

國立臺灣大學 114 學年度碩士班招生考試試題

科目：環境生態學

題號：182

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1. Please draw a figure to explain the vertical layering of Earth's atmosphere: Please include altitude (Y-axis) versus temperature (X-axis). (10 分)
2. Please draw figures to help explain the features of 3 population dispersion patterns. (10 分)
3. Please explain the meaning of (a) primary succession and (b) secondary succession in ecological succession. (10 分)
4. Please explain the black soldier fly and its role in the ecosystem. (10 分)
5. Please explain 2 different ways of carbon sequestration: (a) geological carbon sequestration and (b) biological carbon sequestration. (10 分)

申論題：

6. What are the ecological impacts of renewable energy infrastructure (e.g., wind farms, solar farms) on ecosystems, and how can these be minimized? (25 分)
7. What is "conventional/traditional farming"? How can agricultural systems evolve to improve soil health, water conservation, and biodiversity? (25 分)

試題隨卷繳回