

國立中山大學97學年度博士班招生考試試題

科目：生物學【海生所選考】

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Assay Question

1. Please describe the difference between marine organisms and terrestrial organisms. (50%)
2. Give a case for the application of plants on biofuel production, how to develop it and what kind of conditions should be considered. (50%)

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- (1) Describe the adaptational strategies of oxygen utilization in marine organisms. Please discuss this issue in the molecular, cellular, organismic, and community level. (70%)
- (2) Describe a scientific finding which contributes significant progress in the field of biology and this important finding was based on the research which applied marine organisms as research material. (30%)