		4. 人们组化		
6 1 3 8	八十八學年度	生命科學系 - 生物技術所	702 系 (所)	甲 組碩士班研究生招生考試
科目_	生物學		02 02 共 1 頁第	1 頁 *請在試卷【答案卷】內作答
	金、問答題(8	90%),共入題、	秦 趣十分	

清 華 大 學 命

紙

- 1. What is the human genome project? How do researchers locate genes for specific diseases?
- 2. What is recombinant DNA and how is it useful?
- 3. How do cells extract energy from glucose?
- 4. How do bacteria acquire resistance to antibiotics?
- 5. What determines whether a population grows?
- 6. What advantages do C4 plants have over C3 plants? Why don't C4 plants take over everywhere? What limits them?
- 7. Describe the different types of T cells, and describe the function of each type.
- 8. What is biodiversity (biological diversity)? Describe the values of biodiversity.

貳、解釋名詞(20%), 共十趟、每題二分

1. protease

國

立

- 2. phenotype
- 3. pituitary gland
- 4. niche
- 5. locus
- 6. crossing over
- 7. carcinogen
- 8. adenosine triphosphate
- 9. sexual dimorphism
- 10. taxonomy