

科目：生理學

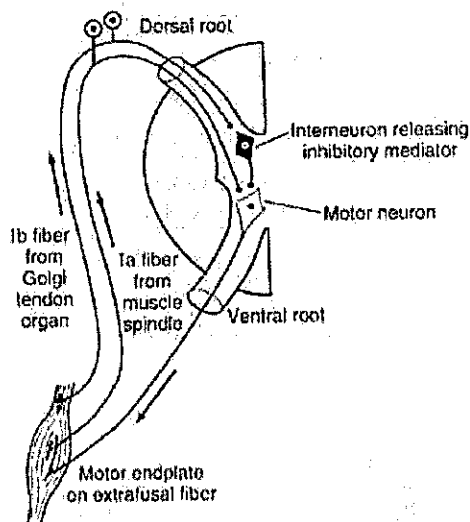
日期：98年2月7日 第1頁共1頁

請“✓”明 ✓不可看書 可看書

* 請將答案依題號順序寫入答案卷

答題時字跡需工整，否則不予計分。Write your answers legibly; otherwise you will get zero score.

1. What is homeostasis and please describe five examples of the homeostasis in our body.
2. Please write the molecular processes of generating the action potential and its physiological characteristics.
3. Do you agree the statement of “ear as a frequency analyzer”? Why? (Hint: how the auditory system provides the brain with information which will determine the perceived pitch of the signal).
4. Do you agree the statement of “ear as a frequency analyzer”? Why? (Hint: how the auditory system provides the brain with information which will determine the perceived pitch of the signal).
5. Please describe the meaning the following diagram.



6. Draw a well-labeled diagram showing the oxygen hemoglobin dissociation curve. Please write three conditions that can right shift the oxygen hemoglobin dissociation curve.
7. Use a diagram and explain the mechanisms of glomerulo-tubular balance and tubule-glomerular feedback.
8. Use a diagram and explain the hemorrhage activated renal, cardiovascular and neural negative feedback controls of blood volume, osmolality and pressure.