

本試題是否可以使用計算機: 可使用, 不可使用 (請命題老師勾選)

Answer four out of the following five questions (25% each)

1. Use an example to explain each of the following biological terms (merely translate them into Chinese is discouraged):
a) activated b) bioinformatics c) development d) metabolism e) tissue
2. Scientific evidences indicate that our genes are almost identical to monkey's. Yet, we are quite different from monkeys in many ways. How can this be explained?
3. Scientists propose that all living organisms are derived from the same ancestor. Please list three pieces of your favored "supporting evidence" in this regard.
4. Avian influenza is an infection caused by avian (bird) influenza (flu) viruses. These influenza viruses occur naturally among wild birds and they do not usually infect humans. Why should we be alerted when large numbers of domestic chickens died in our neighboring countries?
5. The nervous system and the endocrine system are two major means for long-distance communication within our body. Please compare them.