

I. 請解釋名詞並比較之：(每小題 10 分, 共 70 分)

- (1) fermentation vs. anaerobic respiration
- (2) chemolithotroph vs. chemoorganotroph
- (3) methylotroph vs. methanogen
- (4) psychrophiles vs. thermophiles
- (5) fungi vs. algae
- (6) *Archaea* vs. *Bacteria*
- (7) normal flora vs. opportunistic pathogens

II. Please describe the greatest accomplishment in the area of Microbiology by the following scientists. (6 points each; total 30 points)

1. Anton van Leeuwenhoek
2. Robert Koch
3. Louis Pasteur
4. David Baltimore
5. Carl Woese