

解 答 用 紙 **Answer Sheet**

受験番号 Examinee Number : _____ 氏 名 Name : _____

【 1 】

Q1. b

Q2. c

Q3. b

Q4. b

Q5. Microsimulation: Provides detailed, subgroup-specific estimates by modeling individual heterogeneity (for example, effects by sex, education, and drinking level). ABM: Captures social interactions and feedback loops, allowing emergent system behaviors (for example, neighborhood spillovers or violence) to be evaluated.

【 2 】

Q1. b, c

Q2. d

Q3. e

Q4. Answer (English):

Two possible reasons are given. First, the infections identified in 2006 may not have spread to the specific 13 soldiers analyzed in the new study. Second, the next-generation sequencing techniques may be less sensitive than PCR for detecting certain pathogens, causing them to go undetected.

Q5. Answer (English):

Rascovan suggests that scientists should wait before analyzing the remaining samples. He believes they should preserve the samples until more powerful techniques are developed in the future, rather than using them up with current technology. This would allow researchers to extract more information when better technology becomes available.

【 3 】

Q1. By the heightened developmental plasticity during adolescence, well-being during adolescence might also ensure lifelong flourishing.

Q2. c

Q3. b

Q4. Because YouTube affords solitary content consumption in the one-to-many format.

Q5. Social media offers greater opportunities for user engagement, highly individualized experiences, and novel forms of interactions that change with each new feature available.

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【 4 】

Q1. A gene-edited pig that was genetically modified was used (to reduce the risk of rejection).

Q2. c

Q3. d, e

Q4. Transplantable human lungs are difficult to obtain (human organ shortage).

Q5. Some patients get animal organs while others get human ones.