

APRU Summer School, Ashinaga Foundation Internship (2014/7/22, 8/8)

Venue: Kitamon Kaikan, Dept. Technology (Sendai, Japan)

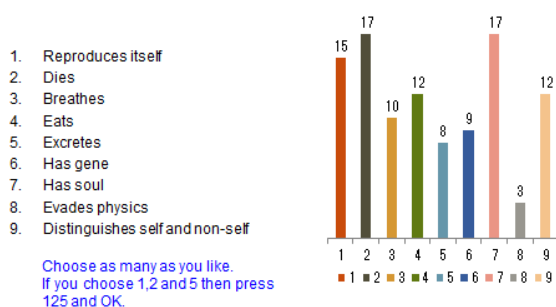
Topics: What is life? Medical and public health management in large scale disaster.

On July 22, Prof. Egawa lectured graduate students in APRU Summa School. Also on Aug. 8, he lectured graduate students in Ashinaga Foundation Internship. All of them were from all over the world and Prof. Egawa used an interactive answer pad system to collect the statistics of his lecture about what life is and medical/public health management in large scale disaster.

The students are get accustomed to the answer pad during the sign in and entering their age and gender. The first question from Prof. Egawa was “What do you think the life is?.” There were nine choice and the students can select as many as possible. The choice includes that life reproduces itself, life dies, life eats, life has soul and life evades physics, etc. As indicated the figures below, 3/27 (11.1%) of APRU students, 11/44 (22.7%) of Ashinaga students and 20/179 (11.1%) Master course students of Tohoku University selected the choice that “Life evades physics”. The mystery of life was described by Erwin Schrödinger, “Living matter evades the decay to thermodynamical equilibrium by homeostatically maintaining negative entropy in an open system. (in “What is Life” 1944)”. Students can learn the diversity of the way of thinking by this type of brain storming.

Prof. Egawa also lectured about the medical and public health preparedness in Japan before Great East Japan Earthquake and the real gap between the needs and help relief. It was also stressed that health centered disaster risk reduction. There was small number of students who will take health related professions, but they eagerly listened the lecture and actively questioned about the health related issues. May this lecture contribute to the future preparedness.

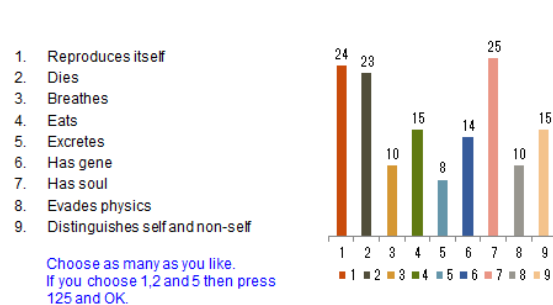
What do you think life is?



Division of International Cooperation 投票数: 27 IRIDeS HOPE 防災はみんなの TOHOKU

Answers from APRU students

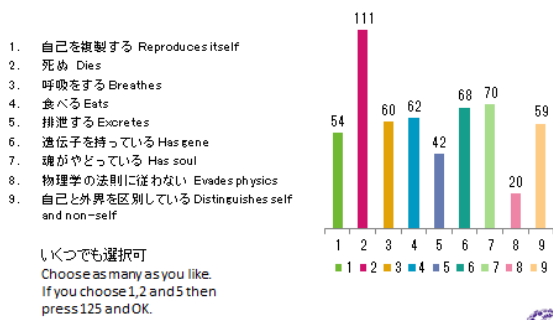
What do you think life is?



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Answers from Ashinaga Internship

あなたの考える生命とは何か?
 What do you think life is?



投票数: 179
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What is life?



Erwin Schrödinger

生物体は負のエントロピーを食べて生きている
 Living matter evades the decay to thermodynamical equilibrium by homeostatically
 maintaining negative entropy in an open system. (In "What is Life" 1944)

Watson & CrickによるDNA二重らせん構造の決定 1953

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Answers from Master course students in
 Dept. Technology, Tohoku Univ on July
 16

Introduction about Erwin Schrödinger

Shinichi Egawa (Disaster Medical Science)