

## CS1 Unit 2 Japanese Scientist 2 Shin-ichiro Tomonaga (p. 14)

- Asking the meaning of a word or phrase you don't know
- Explaining the meaning of a word or phrase in English

A: What does the {word | phrase} X mean?

B: The {word | phrase} X means ....

A: Can you tell me what the {word | phrase} X means?

B: Yes. The {word | phrase} X means ....

A: I don' know what the {word | phrase} X means.

B: Shall I tell you what it means?

A: Yes, please.

B: The {word | phrase} X means ....

appoint	award	cancer	collaborate
forerunner	institute	outbreak	quantum electrodynamics
research	undergraduate		

1. relating to university students who are working for their first degree
2. to work together with somebody in order to achieve something
3. a careful study of a subject in order to discover new facts
4. the sudden start of something unpleasant
5. to choose someone for a job or position of responsibility
6. something that existed before something similar that came later
7. a serious disease in which cells in one part of the body start to grow and kill normal body cells
8. to officially give someone a prize or money to reward them for something they have done
9. an organization with a particular purpose, especially one that is connected with science or education
10. the study of a quantum field theory that deals with the electromagnetic field and its interaction with electrically charged particles

### [pair work]

A: Ask a yes/no question or a wh-question.

B: Answer the question with SA + FU.

Change roles and go to the next sentence. To add an FU, you might need to go back to the textbook.

Example: sentence: Hideki Yukawa studied the theory of elementary particles.

A: What did Hideki Yukawa study?

B: [SA] The theory of elementary particles. [FU] He received the Nobel Prize in Physics in 1949.

Example: sentence: Hideki Yukawa studied the theory of elementary particles.

A: Did Hideki Yukawa study the theory of elementary particles?

B: [SA] Yes, he did. [FU] He received the Nobel Prize in Physics in 1949.

1. Shin-ichiro Tomonaga was born in Tokyo.  
→ yes/no, where
2. Shin-ichiro Tomonaga was born in 1906.  
→ yes/no, when
3. Shin-ichiro Tomonaga entered the Kyoto Imperial University in 1926.  
→ yes/no, which university, when
4. Shin-ichiro Tomonaga collaborated with the research group of Werner Heisenberg.  
→ yes/no, which research group
5. Shin-ichiro Tomonaga returned to Japan in 1939.  
→ yes/no, when
6. Shin-ichiro Tomonaga returned to Japan due to the outbreak of the Second World War.  
→ yes/no, why
7. Shin-ichiro Tomonaga finished his doctor's degree.  
→ yes/no, what
8. Shin-ichiro Tomonaga was appointed to a professorship in the Tokyo University of Education.  
→ yes/no, what
9. Shin-ichiro Tomonaga studied “super-many-time theory” during the war.  
→ yes/no, what, when
10. Shin-ichiro Tomonaga was invited to the Institute for Advanced Study in Princeton in 1949.  
→ yes/no, what, when
11. Shin-ichiro Tomonaga was awarded the Nobel Prize in Physics in 1965.  
→ yes/no, what, when