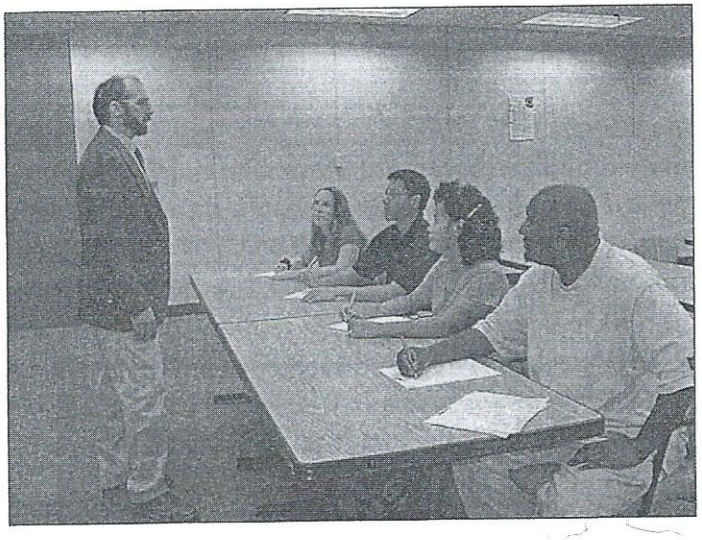


Listen to Track 82 on the CD. Play Audio

Questions

29. What is the lecture mainly about?

- ○ Different ways of magnifying the spectrum of a star
- ○ How a chemical element was first discovered on the Sun
- ○ How astronomers identify the chemical elements in a star
- ○ Why the spectra of different stars are composed of different colors

30. What does the professor explain to one of the students about the term "radiation"?

- ○ It is defined incorrectly in the textbook.
- ○ It was first used in the nineteenth century.
- ○ It is rarely used by astronomers.
- ○ It does not refer only to harmful energy.

31. What can be inferred about two stars if their spectra have similar spectral line patterns?

- ○ The stars are approximately the same distance from the Earth.
- ○ The stars probably have some chemical elements in common.
- ○ The stars have nearly the same brightness.
- ○ The stars are probably of the same size.

32. According to the professor, what is the purpose of heating an element in a spectroscopic flame test?

- ○ To cause an element to emit light
- ○ To study an element in combination with other elements
- ○ To remove impurities from the element
- ○ To measure an element's resistance to heat

33. *Listen to Track 83 to answer the question.* Play Audio

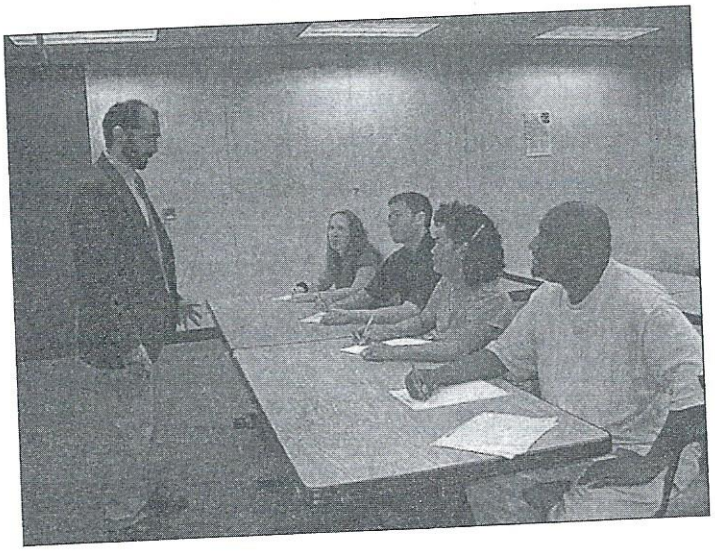
Why does the professor say this?

- ○ He is about to provide some background information.
- ○ He is about to repeat what he just said.
- ○ He intends to focus on the history of astronomy.
- ○ He intends to explain two different points of view.

34. *Listen to Track 84 to answer the question.* Play Audio

Why does the professor ask this?

- ○ To check the students' understanding of their reading assignment
- ○ To give the students a hint to the answer to his previous question
- ○ To emphasize how important it is for astronomers to study Greek
- ○ To remind the students about the historical background of astronomy



STOP. This is the end of the Listening section of TOEFL iBT Practice Test 3.