TOEFL iBT® Online Prep Course | Activity 2 | Listening

Listening > Lesson 10: Factual/Inference Questions > Exercise 10.2

FOCUS: Answering factual and inference questions about discussions and lectures. Click to continue.

Continue

You will need headphones to complete this activity.

When you have them, click Continue.

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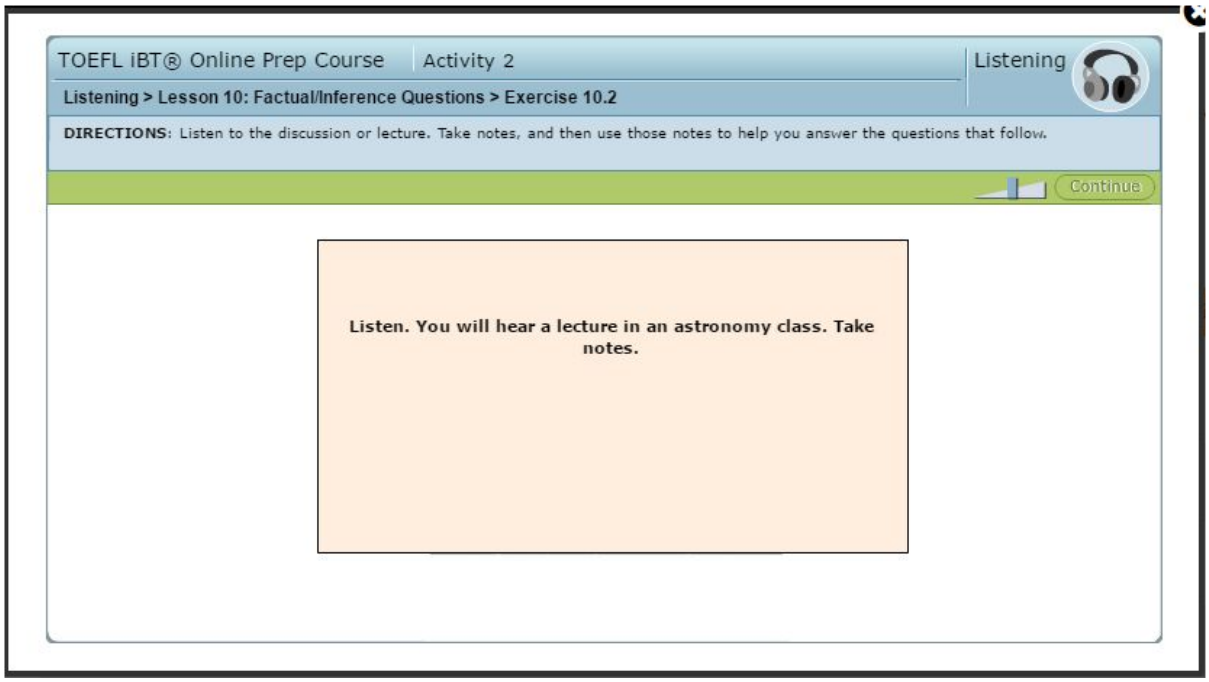
Continue

To adjust the volume

To adjust the volume, move the slider left or right. You can adjust the volume at any point during the activity.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Listening
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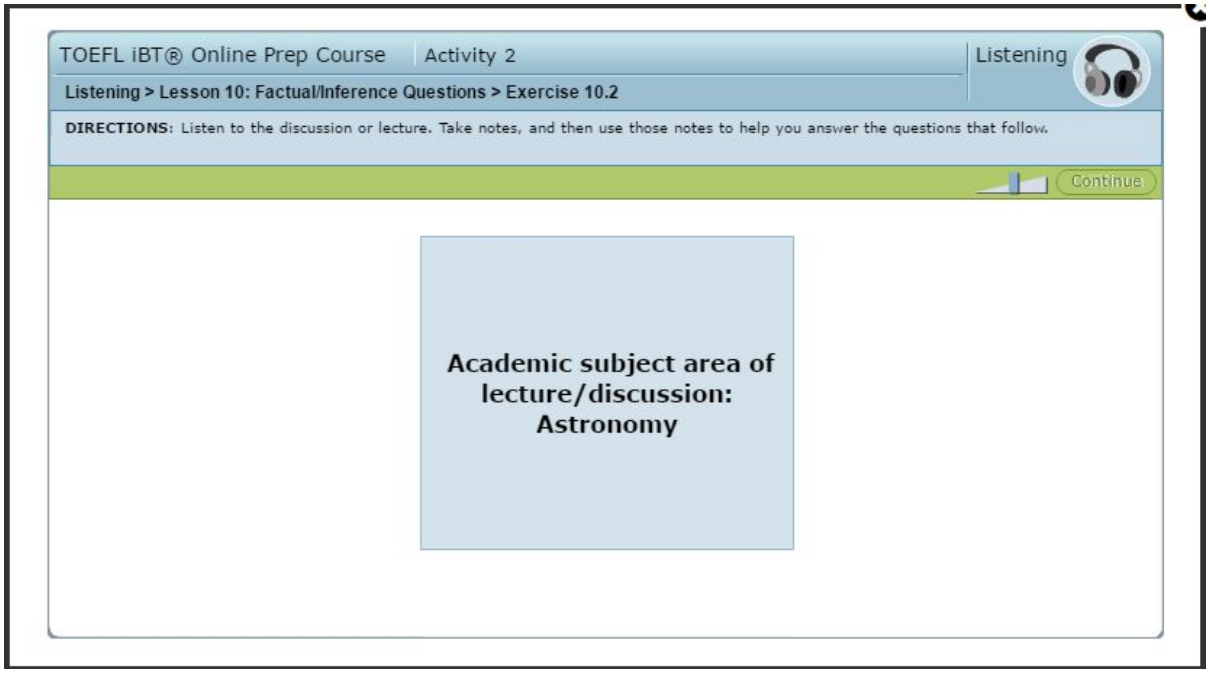
DIRECTIONS: Listen to the discussion or lecture. Take notes, and then use those notes to help you answer the questions that follow.
Continue
Listen. You will hear a lecture in an astronomy class. Take notes.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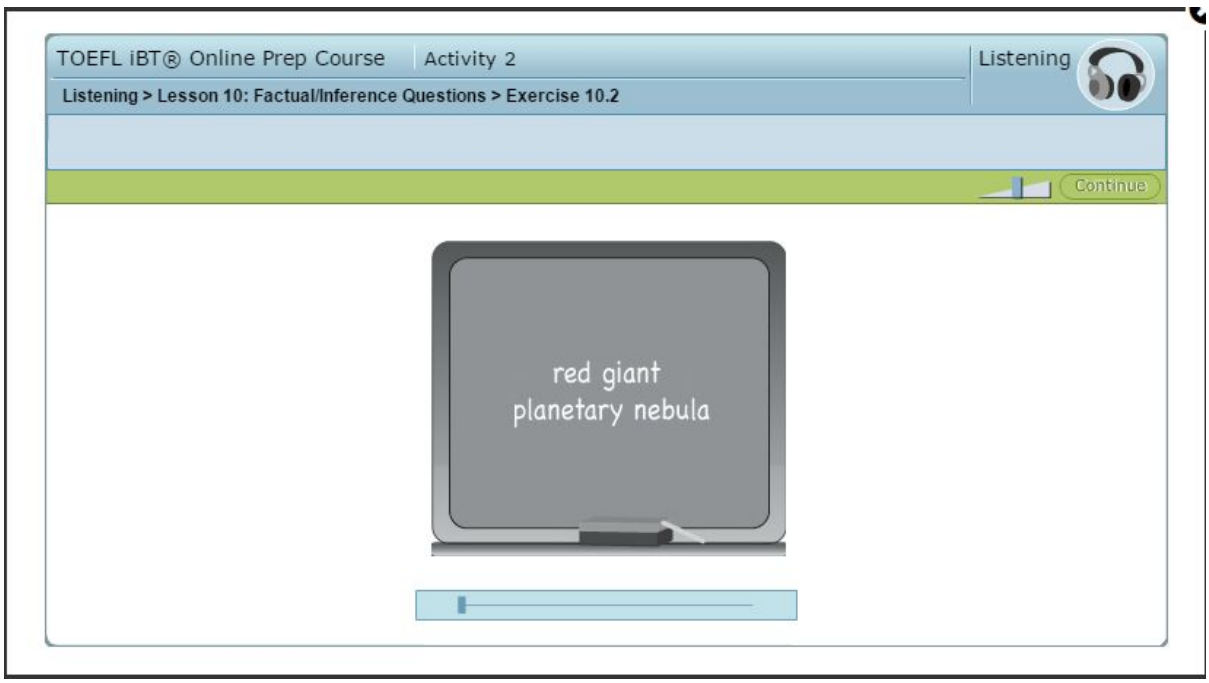
DIRECTIONS: Listen to the discussion or lecture. Take notes, and then use those notes to help you answer the questions that follow.
Continue
Academic subject area of lecture/discussion: Astronomy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red giant
planetary nebula

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Now use your notes to help you answer the questions.

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1 The general process the professor describes in the lecture refers to:

- ◯ Stars of similar mass as the sun.
- ◯ Stars with planetary solar systems.
- ◯ Only Earth's sun.
- ◯ Stars visible from Earth.

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DIRECTIONS: Listen to the lecture. Take notes, and then use those notes to help you answer the questions that follow.

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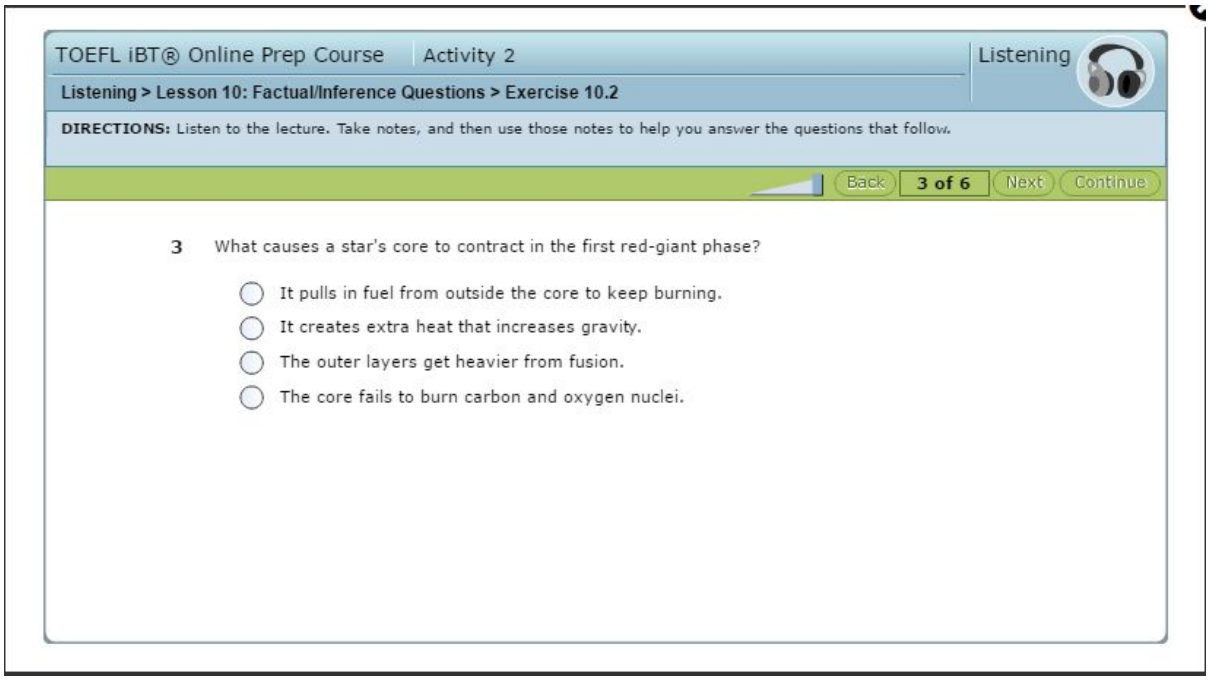
2 According to the professor, what will happen to the sun in the first red-giant phase? Choose two answers.

- ☐ It will start to become dimmer.
- ☐ Its outer layers will expand considerably.
- ☐ It will be six times larger than it is now.
- ☐ It will be cooler than it is now.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DIRECTIONS: Listen to the lecture. Take notes, and then use those notes to help you answer the questions that follow.
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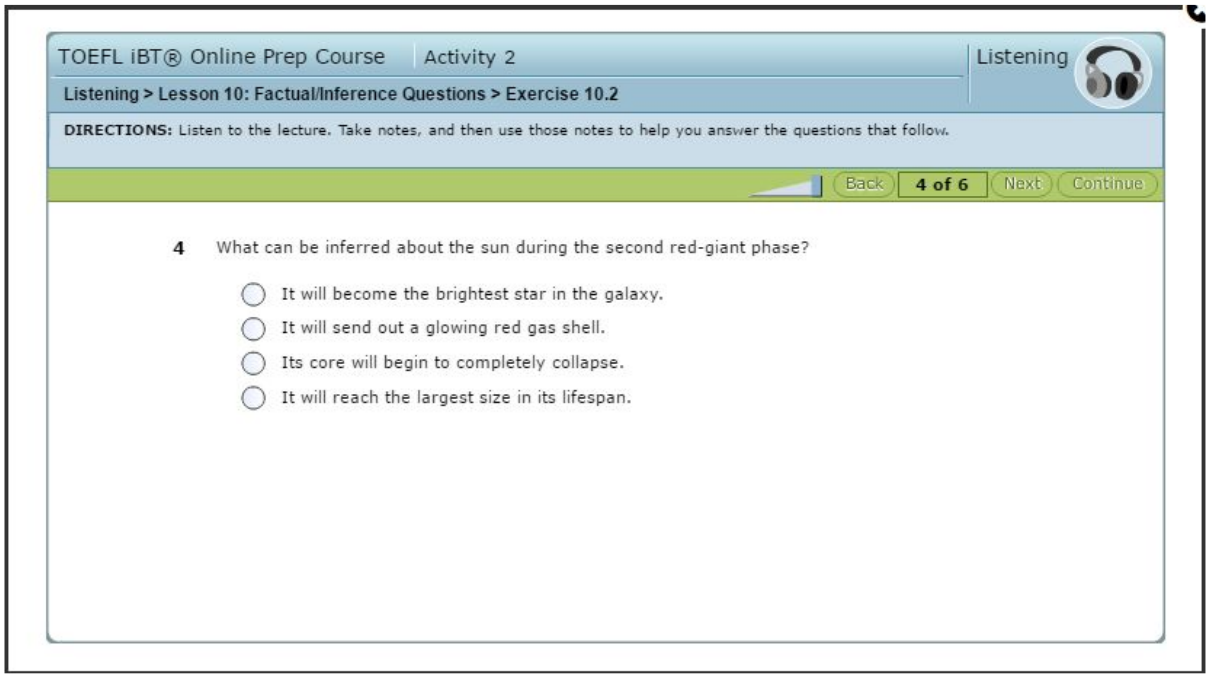
3 What causes a star's core to contract in the first red-giant phase?
It pulls in fuel from outside the core to keep burning.
It creates extra heat that increases gravity.
The outer layers get heavier from fusion.
The core fails to burn carbon and oxygen nuclei.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DIRECTIONS: Listen to the lecture. Take notes, and then use those notes to help you answer the questions that follow.
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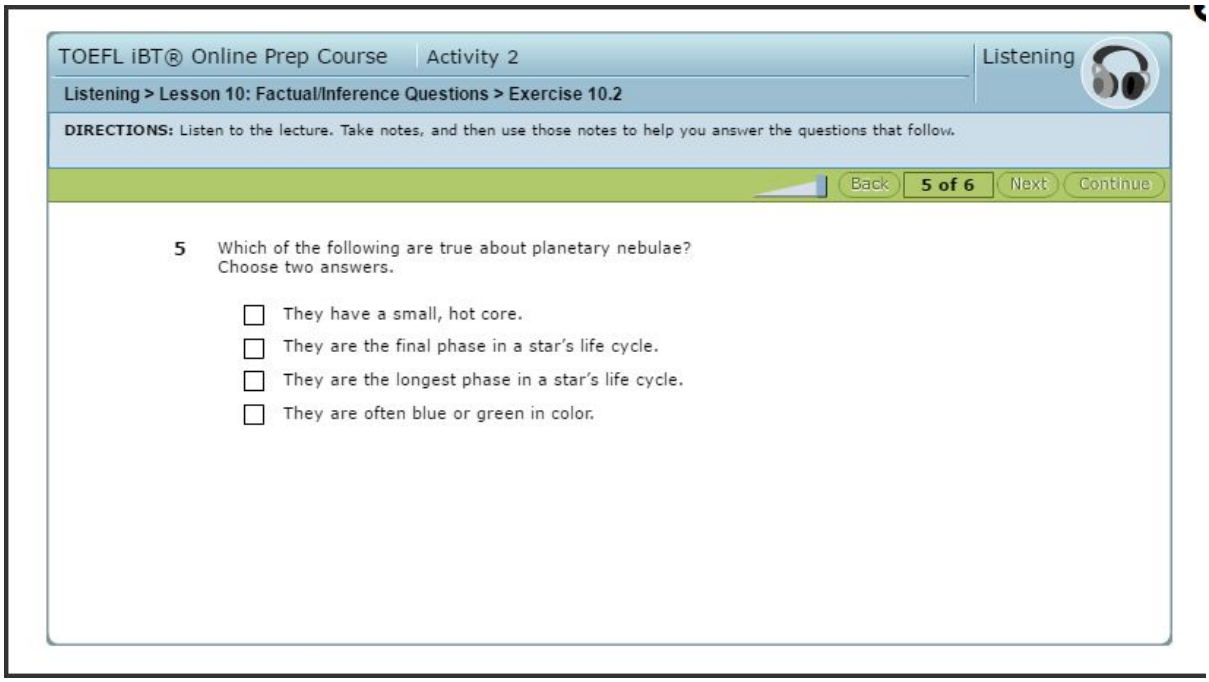
4 What can be inferred about the sun during the second red-giant phase?
It will become the brightest star in the galaxy.
It will send out a glowing red gas shell.
Its core will begin to completely collapse.
It will reach the largest size in its lifespan.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DIRECTIONS: Listen to the lecture. Take notes, and then use those notes to help you answer the questions that follow.
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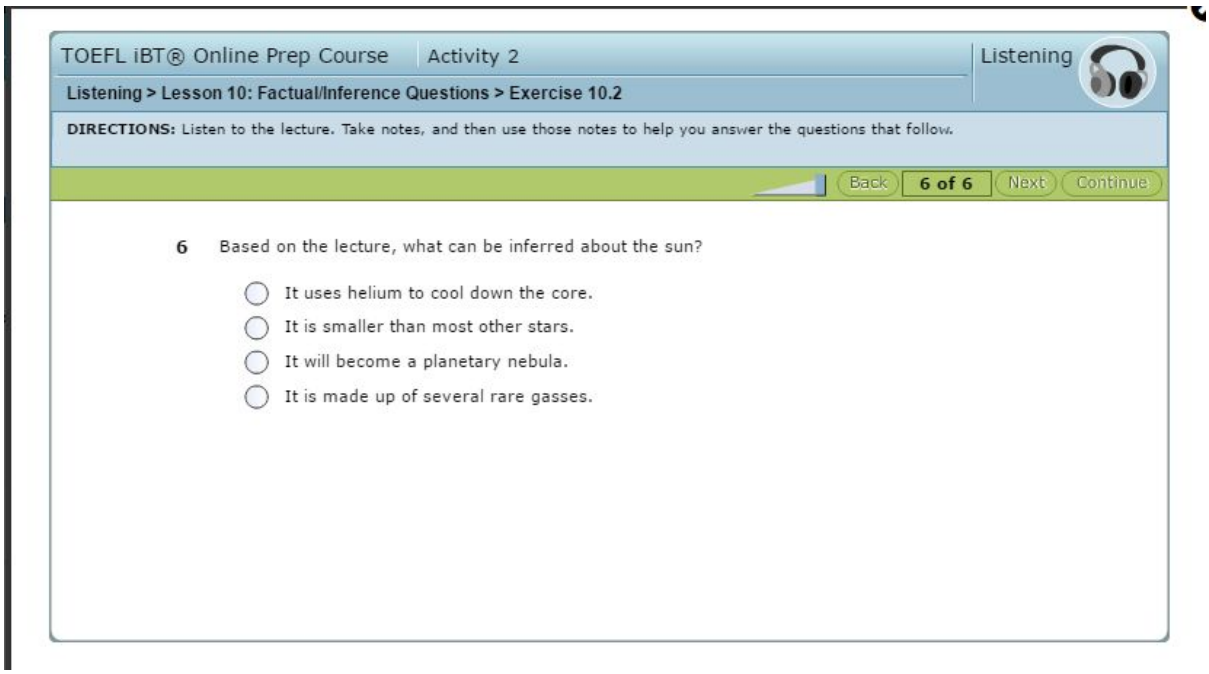
5 Which of the following are true about planetary nebulae? Choose two answers.
They have a small, hot core.
They are the final phase in a star's life cycle.
They are the longest phase in a star's life cycle.
They are often blue or green in color.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DIRECTIONS: Listen to the lecture. Take notes, and then use those notes to help you answer the questions that follow.
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6 Based on the lecture, what can be inferred about the sun?
It uses helium to cool down the core.
It is smaller than most other stars.
It will become a planetary nebula.
It is made up of several rare gasses.