

April 10, 2021

No Body Is No Problem for Detached Sea Slug Heads

Student Discussion Worksheet

Directions: Read the online *Science News* article "[A sea slug's detached head can crawl around and grow a whole new body.](#)" A version of the story, "No body is no problem for detached sea slug heads," appears in the April 10, 2021 issue of *Science News*. With a partner, discuss the following questions using outside resources if needed. Based on your understanding of the article and the answers to the discussion questions, create a script for the *Science News* video "[See a detached sea slug head regrow a new body.](#)" The script should include a 10-second introduction to the video before it begins and 10-second conclusion after the video ends. Once the script is complete, record and submit an audio file of it to your teacher. The total length of the audio file should be about one minute.

Introducing regeneration

Answer the following questions and use the information in your script's introduction.

1. What is regeneration in animals? Can you think of an example of regeneration that happens in humans?
2. The article focuses on a particular species of sea slug regeneration. What other animals regenerate? What is unique about this sea slug's ability to regenerate?
3. Explain what happens to matter and energy throughout the generation process. What do scientists think could possibly cause the boost of energy that allows this species of sea slug to undergo such impressive regeneration?

Summarizing the importance

Answer the following questions and use the information in your script's conclusion.

1. Why is the ability to regenerate important to the sea slug? What about the other animals you mentioned?
2. Why should people care about regeneration? How could studying regeneration benefit humans?

Creating your script

Create a one-minute script for the *Science News* video "[See a detached sea slug head regrow a new body](#)," which shows the regeneration of a sea slug's body. Using your answers from the "Introducing regeneration" questions above, write a 10-second introduction for your video script. Using your answers from the comprehension questions, create a 40-second script for the video that explains to the viewer what is happening in the video and why it is happening. Finally, using your answers from the "Summarizing the importance" section, write a 10-second conclusion to describe the importance of regeneration. Record yourself reading the entire script, including the introduction and conclusion, and submit the audio file to your teacher.

