Inspiring Greatness

ISD

INDEPENDENCE SCHOOL DISTRICT

High School Science Virtual Learning

College Biology

April 13, 2020

High School College Biology
Lesson: April 13, 2020

Objective/Learning Target:
Students will be able to identify the key characteristics that distinguish Flatworms, Annelids, and Roundworms

Let’s Get Started:

1. Classify these molluscs: A garden snail is an example of a _____; a clam is an example of a _____; a squid is an example of a _____.
2. In what fundamental way does the body plan of a cnidarian differ from that of other animals?

Answers:

1. gastropod; bivalve; cephalopod

2. The body of a cnidarian is radially symmetric.

Lesson Activity:

1. Read over pages 11-16 of the Chapter 17 Notes. (Linked Here)

2. Watch this Crash Course video on Annelids. (Stop at 4:54)

Practice: Read the article from Science Daily (Link)

After reading the article answer the following questions.

1) How does the ability to regenerate parts of the body aid biologists in their understanding of animal lineages?

2) Why do you think that biologists believed that regeneration was an ancient trait that some organisms managed to hold onto over the years?

Practice answers:

1) Estimating where and when changes in regenerative abilities occurred on the tree of life is fundamental to understanding how regeneration evolves and what factors influence the trait.

2) Answers will vary but essentially until now, scientific understanding of how regeneration evolved was based solely on studies of animals that lost regenerative abilities. That's because all known gains in regenerative ability occurred too far in the distant past for comparative studies.

Review Tools:

Quizizz