

Adaptation Poster

Biology

You may work with ONE partner to complete this assignment. Work in Google Slides and turn in your work through Showbie when you are done.

For this assignment, you and your partner will investigate an **adaptation**: a characteristic or trait of an organism that increases its biological fitness. You will document your work on a poster (48 x 36 cm) created in Google Slides. Here are the criteria for your poster:

- 1) Your poster should be the correct size – 48 x 36 cm. In the “File” menu, choose “Page Setup”. Select “Custom” and use 48 by 36 centimeters as the size. (1 point)
- 2) Include at least four pictures of the organism you are investigating that clearly show the adaptation you are highlighting. (4 points)
- 3) Clearly describe the adaptation in several text boxes distributed throughout your poster:
 - a. What does it look like or how does it function? (1 point)
 - b. How does it help increase the biological fitness of your organism? (1 point)
 - c. How does it compare to other adaptations (for other organisms) that accomplish the same purpose in a different way? Feel free to include photos of the other organisms if it would be useful. (1 point)
- 4) Hypothesize how this adaptation could have evolved through natural selection:
 - a. What did the variation for this trait look like in the distant past? In other words, describe the range of appearances or characteristics for this trait prior to it becoming an adaptation. Again, feel free to include images if they are available. (1 point)
 - b. What selection pressure caused some of the organisms to have increased biological fitness (and thus increased reproduction) relative to the other organisms? You may include pictures or diagrams to help illustrate your ideas. (1 point)