

## University of Phoenix Material

### Biological Psychology Worksheet

Answer the following questions in short-essay format. Be prepared to discuss your answers.

1. What is biological psychology?

Biological psychology is more commonly known as neurobiology or behavioral neuroscience. This field is an exciting one, and it is chiefly concerned with elucidating the neurobiological basis of behavioral and psychological phenomena.

This is accomplished by imaging the brain and attempting to determine the location of certain mental processes, studying the effects of lesions of behavior, modulating the activity of certain components of the brain chemically and studying the effects on behavioral outputs, modifying the genetic constitution of organisms in an attempt to discern the genetic correlates of certain behaviors or behavioral tendencies, and applying electrical stimulations to certain brain centers, among many other methods.

The field has exploded over the past couple of decades due to the rise of computers, our greater understanding of molecular biology and genetics, and the availability of new imaging techniques.

2. What is the historical development of biological psychology?

The Voyage of the Beagle (1805-1836) - Darwin formulated his theory of natural selections through observing animals while traveling the world.

Source: <https://www.britannica.com/topic/the-voyage-of-the-beagle>. (2019, August 14). Retrieved from <https://www.britannica.com/topic/the-voyage-of-the-beagle>

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The first voyage of the Beagle was made under the command of Captain Robert FitzRoy. The ship was named HMS Beagle, and it was the smallest of the three ships that were part of the voyage. The ship was named after the naturalist Charles Darwin, who was the first to propose the theory of evolution.