# Explore Task Written Responses

## 2a. Innovation

Bionic limbs are designed for amputees to live a semi normal life with artificial limbs replacing the ones that they lost.

## 2b. Development Process

Bionic limbs are designed for amputees to live a semi normal life with artificial limbs replacing the ones that they lost.

## 2c. Outcome and Effects

Bionic limbs can give amputees a second chance and would generally be good for society as technology becomes more developed and more advanced. In the early stages, the price of a bionic limb would be extremely expensive but the price would only go down given enough time. A lot of people might also be opposed to the idea of using inorganic limbs but as the technology proves it’s safety, most of those concerns would go away.

## 2d. Data Usage

Bionic limbs use brainwaves and in some cases, nerve endings as input to control the internal motors to move the limb and/or appendage appropriately. One security concern is that other unauthorized devices could tap into the mechanical appendages and remotely control them which would cause all sorts of problems.

## 2e. References

<http://www.businessinsider.com/open-bionics-prosthetic-arms-2018-2>

<https://www.smithsonianmag.com/innovation/the-insane-and-exciting-future-of-the-bionic-body-918868/>

<https://www.science.org.au/curious/people-medicine/bionic-limbs>