**SOURCE READINGS**

**Vaccination Data**

**Chart, bar chart

Description automatically generated**

**Reasons not to get Vaccinated:**

The AstraZeneca vaccine could give me a blood clot

## I'm aged 18-59 — we were told not to get AstraZeneca

## I’ll wait for a different vaccine

## COVID-19 is a mild disease and not dangerous

## I don’t trust the vaccines because they were developed quickly

## My risk of getting COVID-19 is low

## My friend (or relative) told me not to get vaccinated

## Source: <https://www.healthdirect.gov.au/blog/7-reasons-people-dont-get-covid-19-vaccinations>

**Vaccines and Herd Immunity Reading**

**![Text, letter

Description automatically generated]()**

<https://www.immune.org.nz/vaccines/effectiveness-and-safety>

**ATHBY - YEAR 12 ATAR HUMAN BIOLOGY**

**Task 3: Response to Infection Validation**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_

Record your responses on either blank or lined paper, as appropriate.

DO NOT WRITE IN PENCIL.   
Your answer may take the form of:

• Appropriate graphic organisers e.g. a table

• Clearly labelled and annotated diagrams

• A list of points, with sentences which link them

**Task Weighting –** 7% **Task Type –** Response

Pre Task \_\_\_\_ / 5

Response \_\_\_\_ / 20

Total \_\_\_\_ / 25

1. Name the response type of the body to most viruses, and outline it in detail (10 marks)
2. From the ‘**Reasons not to get vaccinated with the AstraZeneca COVID-19 Vaccine**’ list, choose a standard group [social, cultural, economic] and classify one of the given reasons for non-engagement with the Astra-Zeneca vaccination programme worldwide into your chosen group. Justify your classification. (2 marks)
3. Outline the procedure epidemiologists go through to evaluate the claims of some anti-vaccination groups that certain vaccines cause an increased rate of infertility in women (3 marks)
4. From your reading of the Effectiveness and Safety article today, name the mechanism through which large populations can be protected. (1 mark)
5. Explain how lasting long term humoral and cell-mediated immunity is developed. (2 marks)
6. Outline the benefits of lasting immunity to a large population. (2 marks)