

# Revision Sheet

IGCSE Biology · Unit 10 Diseases and immunity

8 vocabulary items · 28 marks of exam questions (12 questions)

*Part 1 · Vocabulary review answer key. Section A wants the exact English spelling.*

| Question | Answer           | Marks |
|----------|------------------|-------|
| 1        | pathogen         | 1     |
| 2        | disease          | 1     |
| 3        | vaccination      | 1     |
| 4        | memory cells     | 1     |
| 5        | passive immunity | 1     |
| 6        | cholera          | 1     |
| 7        | toxin            | 1     |
| 8        | chloride ions    | 1     |

**Multiple Choice Answers**

Q9: C

Q10: B

**Multiple Choice Answers**

Q11: A

**Multiple Choice Answers**

Q12: A

**Multiple Choice Answers**

Q13: B

**Multiple Choice Answers**

Q14: A

**Multiple Choice Answers**

Q15: A

**Multiple Choice Answers**

Q16: C

Q17: C

Q18: B

|       |                                                                                                                                                                          |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 19(a) | hairs ;<br>mechanical ;<br>antibodies ;<br>engulf ;                                                                                                                      |
| 19(b) | (named examples of) hygienic food, preparation / storage ;;;<br><br>(named examples of) good personal hygiene ;;;<br><br>(named example of) appropriate waste disposal ; |

|           |                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20(a)(i)  | <p><i>any two from:</i><br/> ref. to <u>passive immunity</u> ;<br/> <i>idea of</i> immediate / fast, protection / response / AW ;<br/> AVP ; e.g. idea that gives time for immune system to produce own, antibodies / antitoxins</p>                                                                                                                                                                    |
| 20(a)(ii) | <p><i>any three from:</i><br/> ref. to <u>active immunity</u> ;<br/> (more) memory cells are produced ;<br/> long-term, immunity / protection ;<br/> after second injection higher concentration of antibodies than passive immunity ;<br/> reduces the chance of catching the disease (again) / AW ;<br/> response to second injection is, <u>faster</u> / <u>greater</u>, than first ;<br/> AVP ;</p> |
| 20(b)     | <p><i>any four from:</i><br/> pathogens have antigens ;<br/> antibodies, lock on to, antigens / pathogens ;<br/> antibody is <u>specific</u> (to antigen / pathogen) ;<br/> antibody has a complementary (shape) to antigen / AW ;<br/> antibody marks pathogen for, destruction by phagocytes / phagocytosis ;<br/> antibodies destroy pathogens / described ;<br/> AVP ;</p>                          |
| 20(c)     | <p><i>any two from:</i><br/> absorbs / transports, fat / fatty acids (and glycerol from lacteals) ;<br/> drains / AW, tissue fluid ;<br/> returns, fluid / lymph, to, blood / plasma ;<br/> AVP ;</p>                                                                                                                                                                                                   |