



# Al Corniche International School

Girls' Section-Licence No. 4321440071/Boys' Section Licence No.S-251

Session: **2017-2018** Term: **1**



Worksheet: 1

Class: 9

Subject: Biology

Diseases and Immunity

Self-assessment questions

## **Disease and Immunity**

- 1 Classify the following diseases under the headings 'Transmissible' and 'Non-transmissible'.  
lung cancer, whooping cough, rickets, arthritis, appendicitis, food poisoning, tuberculosis, measles, diabetes, anaemia, syphilis, influenza, AIDS, coronary heart disease, haemophilia
- 2 (a) In droplet infection (i) where do the droplets come from, (ii) what infective agents might they contain?  
(b) Give two examples of diseases normally spread by droplets.
- 3 (a) Give two examples of diseases which can be spread by contaminated drinking water.  
(b) How can the spread of such diseases be prevented?
- 4 Suggest three ways in which food might become contaminated by harmful bacteria.
- 5 Which one of the following is least important in preventing the contamination of food?  
(a) Keeping food away from flies.  
(b) Washing the hands before preparing food.  
(c) Not coughing or sneezing over food.  
(d) Not smoking while preparing food.
- 6 The following events explain an outbreak of food poisoning in a factory canteen. Put the events in the appropriate order.  
(a) Pathogenic bacteria in intestine.  
(b) Unwashed hands prepare food.  
(c) Kitchen worker has intestinal disease.  
(d) Outbreak of food poisoning.  
(e) Pathogenic bacteria in faeces.  
(f) Pathogenic bacteria get into food.  
(g) Hands not washed after defecation.  
(h) Faeces expelled in lavatory.  
(i) Food ingested by healthy people.
- 7 Which one of the following is the most appropriate description of a contagious disease?  
A contagious disease is one which is spread by  
(a) contaminated food,  
(b) contaminated drinking water,



Worksheet: 1                      Class: 9                      Subject: Biology  
Diseases and Immunity

- (c) contact with an infected person,
- (d) droplets from an infected person.

8. Complete the following sentences by selecting the appropriate words from the list below.

In many cases, when you catch an infectious disease, your blood produces ..... (A) ..... against the infective organism. These ..... (B) ..... remain in the blood or can be rapidly made so that you are ..... (C) ..... to further attacks of the disease.

You can acquire ..... (D) ..... by receiving injections of a ..... (E) ..... form of the pathogen or its inactivated ..... (F) ..... The injected substance is called a ..... (G) .....

*immune, immunity, pathogens, disease, vaccine, antibodies, toxin, harmless, antigens*

9. Which of the following diseases can be prevented by inoculation?

rubella, syphilis, tuberculosis, polio, gonorrhoea, common cold, measles, haemophilia, mumps, tetanus, AIDS

10. Complete the following sentence, selecting the most appropriate words from the list below.

An ideal ..... (A) ..... against an infectious disease would be one which destroyed the ..... (B) ..... but did not harm the ..... (C) .....

*pathogen, host, drug*

11. (a) What kind of food is most likely to contain Salmonella bacteria?  
(b) What illness is caused by *Salmonella typhimurium* ?  
(c) What is the usual method of killing Salmonella bacteria in food?



## Al Corniche International School

Girls' Section-Licence No. 4321440071/Boys' Section Licence No.S-251

Session: **2017-2018** Term: **1**



Worksheet: 1                      Class: 9                      Subject: Biology  
Diseases and Immunity

- 12.** Which one of the following is least likely to give rise to food poisoning?
- (a) Cooking and eating a partially defrosted turkey.
  - (b) Eating a cooked chicken leg straight from the refrigerator.
  - (c) Preparing a fresh chicken for the oven and immediately making a lettuce and tomato salad.
  - (d) putting an uncooked chicken on the same plate as some cold ham.

**The End**