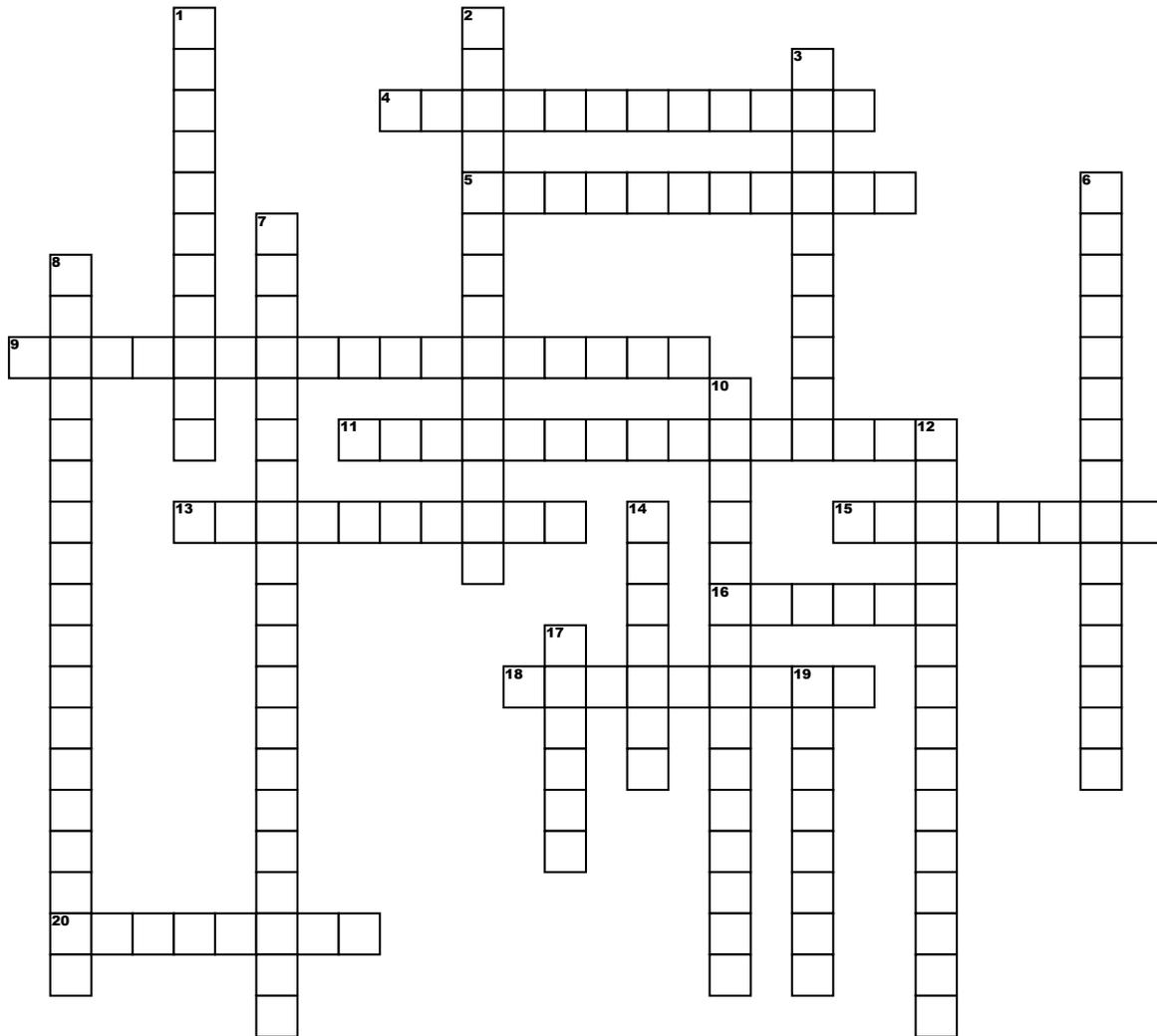


Biology Topic 4.1.1 Key Words



Across

4. signalling molecules that are used to communicate between different white blood cells

5. a way of stimulating an immune response so that immunity is achieved

9. immunity that is achieved as a result of medical intervention

11. an increase in the number of cells by mitotic cell division

13. a chemical which prevents growth of microorganisms

15. a microorganism that causes disease

16. an organism that carries a pathogen from one host to another

18. hormone-like molecules used in cell signalling to stimulate the immune response

20. antibodies that make it easier for phagocytes to engulf the pathogen

Down

1. antibodies that cause pathogens to stick together

2. where the immune system is activated and manufactures its own antibodies

3. antibodies that render toxins harmless

6. those that prevent pathogens entering the body

7. passing a pathogen from host to new host, via a vector

8. passing a pathogen from a host to new host, directly

10. immunity achieved when antibodies are passed to the individual through breast feeding or injection

12. immunity achieved through normal life processes

14. a large polysaccharide deposit that blocks old phloem sieve tubes

17. a balloon-like swelling or projection that fills the xylem vessel

19. a rapid spread of disease through a high proportion of the population