

10 Immunity and vaccination – Part 2 —Answers

Answers

Work through these after trying the questions yourself.

10.6 Antigens.

10.7 Lymphocytes (a kind of white blood cell).

10.8 Its shape is complementary to that one antigen, so it fits only that shape.

10.9 They make the right antibodies very quickly (and in large amounts), so you do not become ill.

10.10 Protection made by your own body producing antibodies (after an infection or a vaccination).

10.11 The vaccine made the person's lymphocytes produce **memory cells** for the measles antigen. When the real pathogen arrives, these memory cells make the **right antibodies very quickly and in large amounts**, destroying the pathogen before it can make the person ill.