

39 The hybridoma method is used for the production of monoclonal antibodies.

Which two types of cell are used in this method?

- A** stem cell and B-lymphocyte
- B** stem cell and T-lymphocyte
- C** tumour cell and B-lymphocyte
- D** tumour cell and T-lymphocyte

38 A vaccine is used to create artificial active immunity. After a person has been given a vaccine, it takes a period of time before they develop long-term immunity to the disease.

Which statement about this period of time explains the delay in developing long-term immunity?

- A** No memory cells have been produced from B-lymphocytes.
- B** No plasma cells have been produced from B-lymphocytes.
- C** The primary immune response has **not** produced enough antibodies.
- D** The secondary immune response has **not** produced enough antibodies.

40 Which statement describes the feature of monoclonal antibodies that allows them to accurately treat a specific disease?

- A** They bind to human hormones to produce a colour change.
- B** A fluorescent dye can be attached to them.
- C** They have active sites that are complementary to antigens.
- D** They can carry toxic chemicals.