**Complete the summary below.**

**Write NO MORE THAN TWO WORDS for each answer.**

Every day the human body is fighting off \_\_\_\_31\_\_\_\_ by destructive pathogens. A person in good health has natural protection in the form of an immune system which works best against familiar microorganisms which may have been encountered during a previous \_\_\_\_32\_\_\_\_ or passed on by the mother before or after birth.

Vaccination is a way to cause \_\_\_\_33\_\_\_\_ immunization by introducing a small amount of pathogen into the body—just enough for the body's \_\_\_\_34\_\_\_\_ to react by making antibodies. Passive immunization can be used as a way of treating someone who is already sick. Proteins from animal \_\_\_\_35\_\_\_\_ are introduced into the patient to give him the necessary antibodies to fight the disease.

Dr. Edward Jenner observed that people who had suffered and recovered from a serious disease called smallpox did not get it again. He also noted that victims of a milder disease, cowpox, which they caught from \_\_\_\_36\_\_\_\_, were immune to smallpox. He carried out a successful \_\_\_\_37\_\_\_\_ by deliberately giving a child cowpox in order to make him immune to smallpox.

**Complete the diagram below.**

**Choose your answers from the box below and write the letters A-F next to questions 38-40.**

A. antibody

B. agglutination

C. antigen

D. germs

E. plasma

F. B-lymphocyte

