

COMPARE AND CONTRAST ESSAY

Fill in the blanks with one most suitable word:

For many years, vaccines have been used to train the body to fight off dangerous diseases. The increasingly modern society has been witnessing the development of the high-tech DNA vaccines. However, the two most popular types of vaccines are live (1) vaccine and (2) vaccine. Even though they share the common purpose of innoculating the body from diseases, live attenuated vaccine and inactivated vaccine are different in the ways they are produced, their effectiveness, and the risks that are involved.

(3), live attenuated vaccine and inactivated vaccine are (4) in the ways they are produced. Live attenuated viruses are actually nonpathogenic viruses that are related to the real pathogen. These viruses are weakened in the laboratory before the vaccination solution is purified. **Unlike** live attenuated virus vaccine, to produce inactivated virus vaccine, scientists use chemicals, heat, or radiation to render pathogenic viruses to harmless or fixed.

(5) difference between live attenuated virus vaccine and inactivated virus vaccine is in their (6) While live attenuated virus vaccine triggers strong immune response and makes the body develop more memory cells, the immune response that inactivated vaccine triggers is not as potent. For this reason, live attenuated vaccine confers more resistance in the body (7) inactivated vaccine does. Besides, live attenuated virus vaccine is effective after just one or two doses whereas we need several additional doses of (8) virus vaccine so that our body can fight off the bona fide disease by itself.

(9), live attenuated vaccine is different (10)..... inactivated vaccine in the risk that is involved. Since the viruses in live attenuated vaccine are actually live, they may possibly mutate back to their original virulent form and cause the true infection. On the (11), inactivated vaccine is safer because the dead viruses can't (12)

In (13), the ways they are produced, their effectiveness, and the risks that are involved are the (14) between live attenuated vaccine and inactivated vaccine. For these differences, the vaccines are considered for different diseases to make sure that each of them can work well for the medical purpose of boosting the immune (15)..... and save the lives of millions of people worldwide.