With vaccination, killed or weakened disease germs are intentionally introduced into the body, usually by injection. Then your immune system goes to work, just as if you were exposed to a disease:

1. Your immune system recognizes the vaccine germs as not belonging in your body— as being “foreign invaders.”

2. It responds by producing antibodies, which help destroy these germs, the same as if you had been exposed to the disease. But there is a difference. The germs in the vaccine are weakened or killed, so they won’t make you sick.

3. You develop immunity, just as if you had gotten sick from the actual disease. Your body remembers the germs that made you sick, and if they ever try to infect you again – even after many years – your immune system will come to your defense again.

Immunity is what keeps you from getting sick from diseases like measles or chickenpox a second time, no matter how often you are exposed to them.

In other words, getting a disease or getting a vaccine can both give you future protection from that disease. The difference is that with the disease you have to get sick to get that protection. With the vaccine you don’t.

Sources:
www.cdc.gov/vaccines

More Information:
ImmunizeKansasCoalition.org
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Reviewed: March 18, 2019