**VACCCINE QUIZ QUESTIONS**

**1. What is the primary purpose of a vaccine?**  
A) To treat diseases  
B) To prevent diseases  
C) To relieve pain  
D) To diagnose diseases  
*Answer*: **B) To prevent diseases**

**2. Which of these diseases has been eradicated worldwide thanks to vaccines?**  
A) Measles  
B) Polio  
C) Smallpox  
D) Influenza  
*Answer*: **C) Smallpox**

**3. How do vaccines help our immune system?**  
A) They provide immediate immunity  
B) They introduce a mild form of the disease  
C) They teach the immune system to recognize the pathogen  
D) They increase the body's temperature to kill pathogens  
*Answer*: **C) They teach the immune system to recognize the pathogen**

**4. Which of the following is NOT a type of vaccine?**  
A) Live-attenuated vaccine  
B) Inactivated vaccine  
C) Sugar vaccine  
D) mRNA vaccine  
*Answer*: **C) Sugar vaccine**

**5. The flu vaccine should ideally be taken...**  
A) Once in a lifetime  
B) Every 5 years  
C) Every year  
D) Every 10 years  
*Answer*: **C) Every year**

**6. Which age group should get vaccinated?**  
A) Only children  
B) Only adults  
C) People of all ages  
D) Only the elderly  
*Answer*: **C) People of all ages**

**7. What is herd immunity?**  
A) Immunity gained by being exposed to multiple viruses  
B) Protection gained when a large portion of a population is immune  
C) Immunity that passes from mother to child  
D) Immunity obtained by animals  
*Answer*: **B) Protection gained when a large portion of a population is immune**

**8. What is the main benefit of herd immunity?**  
A) It helps reduce medication use  
B) It protects those who cannot be vaccinated  
C) It makes people immune to all diseases  
D) It replaces the need for vaccines  
*Answer*: **B) It protects those who cannot be vaccinated**

**9. Who invented the first successful vaccine?**  
A) Louis Pasteur  
B) Alexander Fleming  
C) Edward Jenner  
D) Jonas Salk  
*Answer*: **C) Edward Jenner**

**10. Vaccines can be administered through which of the following methods?**  
A) Pills  
B) Injections  
C) Nasal sprays  
D) All of the above  
*Answer*: **D) All of the above**

**11. Which disease does the MMR vaccine protect against?**  
A) Malaria, Mumps, Rabies  
B) Measles, Mumps, Rubella  
C) Mumps, Malaria, Rhinovirus  
D) Meningitis, Measles, Rickets  
*Answer*: **B) Measles, Mumps, Rubella**

**12. What type of vaccine was used for COVID-19 by Pfizer and Moderna?**  
A) Live-attenuated  
B) Inactivated  
C) mRNA  
D) Subunit  
*Answer*: **C) mRNA**

**13. How does a live-attenuated vaccine work?**  
A) It contains a weakened form of the virus  
B) It has a dead virus  
C) It uses a different virus entirely  
D) It has chemicals that kill viruses  
*Answer*: **A) It contains a weakened form of the virus**

**14. What vaccine is recommended for newborns to prevent tuberculosis?**  
A) MMR vaccine  
B) BCG vaccine  
C) Hepatitis B vaccine  
D) HPV vaccine  
*Answer*: **B) BCG vaccine**

**15. Why might someone experience mild symptoms after a vaccine?**  
A) Because the vaccine is giving them the disease  
B) As a reaction while the immune system builds protection  
C) Because the vaccine didn’t work  
D) It’s a sign of an allergic reaction  
*Answer*: **B) As a reaction while the immune system builds protection**

**16. Which disease is primarily prevented by the HPV vaccine?**  
A) Tuberculosis  
B) Polio  
C) Cervical cancer  
D) Measles  
*Answer*: **C) Cervical cancer**

**17. What does the DTaP vaccine protect against?**  
A) Diphtheria, Tetanus, and Pertussis  
B) Dengue, Tuberculosis, and Pneumonia  
C) Diphtheria, Tetanus, and Polio  
D) Dysentery, Typhoid, and Pertussis  
*Answer*: **A) Diphtheria, Tetanus, and Pertussis**

**18. At what age do children typically receive their first vaccine?**  
A) At birth  
B) 1 year  
C) 5 years  
D) 10 years  
*Answer*: **A) At birth**

**19. Which of the following is NOT a side effect of most vaccines?**  
A) Soreness at the injection site  
B) Fever  
C) Severe allergic reaction  
D) Mild fatigue  
*Answer*: **C) Severe allergic reaction**

**20. The polio vaccine is administered to prevent which condition?**  
A) Paralysis  
B) Respiratory infections  
C) Muscle cramps  
D) Digestive issues  
*Answer*: **A) Paralysis**