



---

# Your Blood Test: A Key to Predicting Future Disease Risk

## Description

If your doctor has asked you to take a blood test, you probably had a test called a [complete blood count](#), or CBC. This is one of the most common tests in the world. Millions of these tests are done every year to check health and find diseases.

But reading these tests can be tricky. Doctors often use the same normal ranges for everyone. This doesn't work for everyone because each person is different.

I study this problem at the University of Washington. I work with a team that uses [computers](#) to help improve blood tests.

In our research, we looked at blood tests from tens of thousands of patients. We used computer programs to find better ways to understand what is normal for each patient.

We found that each person's normal range is often much smaller than the general range. This means we can give better advice and help doctors find problems early.

Our work can help doctors understand blood tests in a way that is right for you.

---

## Vocabulary List:

1. **Test** /tɛst/ (noun): A procedure intended to establish the quality performance or reliability of something often used for diagnosis.
2. **Count** /kaʊnt/ (noun): The total number of items or individuals in a particular group or sample.
3. **Normal** /'nɔ:r.məl/ (adjective): Conforming to the standard or the typical; usual.
4. **Patients** /'peɪ.jənts/ (noun): Individuals receiving medical treatment or care.
5. **Research** /'ri:sɜ:rtʃ/ (noun): A systematic investigation into a subject or problem to establish facts or principles.
6. **Improve** /ɪm'pru:v/ (verb): To make or become better to enhance the quality of something.

## Vocabulary quizzes

### Multiple Choice ( Select the Correct answer for each question. )

1. Which scientific theory explains the gradual changes in organisms over time?

Option: Natural Selection

Option: Complexity Theory



- 
- Option: Specialization  
Option: Mass Interaction
2. Who are individuals seeking medical treatment from healthcare providers known as?  
Option: Normal People  
Option: Specialized Clients  
Option: Test Subjects  
Option: Patients
3. What term is used to describe a collection of stars planets and other celestial bodies?  
Option: Meteor  
Option: Constellation  
Option: Galaxy  
Option: Nebula
4. Which ancient human species is known to have coexisted with early modern humans?  
Option: Researchers  
Option: Neanderthals  
Option: Specialists  
Option: Fossils
5. What activity involves acquiring knowledge or understanding through research and analysis?  
Option: Discover  
Option: Change  
Option: Improve  
Option: Study
6. What term refers to the highest point or maximum value of something?  
Option: Peak  
Option: Bright  
Option: Normal  
Option: Count
7. What process involves investigating a subject to establish facts and reach new conclusions?  
Option: Collected  
Option: Formation  
Option: Mass  
Option: Research
8. What term describes ideas and concepts rather than specific objects or events?  
Option: Abstract  
Option: Special  
Option: Observe



Option: Test

9. What event involves a large number of meteors entering Earth's atmosphere at the same time?

Option: Mass Interaction

Option: Meteor Shower

Option: Interstellar Formation

Option: Galactic Interaction

10. What term describes being highly skilled or trained in a specific field?

Option: Discovery

Option: Specialized

Option: Intriguing

Option: Complexity

**Gap-Fill ( Fill in the blanks with the correct word from the vocabulary list. )**

11. \_\_\_\_\_ is the process through which organisms better adapted to their environment tend to survive and produce more offspring.

12. Organisms undergo \_\_\_\_\_ over time in response to environmental factors.

13. Scientists conduct experiments to \_\_\_\_\_ hypotheses and theories.

14. It is vital to accurately \_\_\_\_\_ the number of subjects in a research study.

15. Studying the behavior of \_\_\_\_\_ cells is crucial for understanding diseases.

16. Medical research aims to continuously \_\_\_\_\_ treatments and patient outcomes.

17. Astronomers use telescopes to \_\_\_\_\_ new planets and celestial bodies.

18. The \_\_\_\_\_ of stars involves complex processes of fusion and gravitational collapse.

19. The \_\_\_\_\_ of different species in an ecosystem can lead to ecological changes.

20. A \_\_\_\_\_ comet is visible to the naked eye even in daylight.

**Matching Sentences ( Match each definition to the correct word from the vocabulary list. )**

21. Understanding the intricate workings of the human brain is a task for scientists.



22. To gain expertise in a subject one must dedicate time and effort to and practice.
23. The of the Earth determines its gravitational pull on objects near its surface.
24. Archaeologists hope to ancient ruins that could provide insights into past civilizations.
25. A star shines luminously in the night sky visible even from great distances.
26. The natural of mountains involves tectonic processes and erosion over millions of years.
27. The exhibit displayed rare artifacts and historical documents from around the world.
28. After the field trip the students samples of rocks and plants for further analysis.
29. Scientific involves formulating hypotheses conducting experiments and analyzing data.
30. In a healthy ecosystem species with each other to maintain a balanced environment.

## Answer

**Multiple Choice:** 1. Natural Selection 2. Patients 3. Galaxy 4. Neanderthals 5. Study 6. Peak 7. Research 8. Abstract 9. Meteor Shower 10. Specialized  
**Gap-Fill:** 11. Natural Selection 12. Change 13. Test 14. Count 15. Normal 16. Improve 17. Discover 18. Formation 19. Interaction 20. Bright  
**Matching sentence:** 1. Complex 2. Study 3. Mass 4. Discover 5. Bright 6. Formation 7. Special 8. Collected 9. Study 10. Interact

## CATEGORY

1. Health - LEVEL1

### Date Created

2024/12/14

### Author

aimeeyoung99