

## Very Hard Quiz 4

1. What was the name of the treaty that redefined Turkey's borders after the Ottoman Empire?  
A) **Treaty of Lausanne**  
B) Treaty of Sèvres  
C) Treaty of Ankara  
D) Treaty of Kars
2. Which physicist developed the theory of wave-particle duality?  
A) Werner Heisenberg  
B) **Louis de Broglie**  
C) Erwin Schrödinger  
D) Paul Dirac
3. What is the name of the largest impact crater on Earth?  
A) Chicxulub Crater  
B) **Vredefort Crater**  
C) Sudbury Basin  
D) Barringer Crater
4. Who composed the ballet "The Nutcracker"?  
A) Igor Stravinsky  
B) **Pyotr Ilyich Tchaikovsky**  
C) Aaron Copland  
D) Sergei Prokofiev
5. In which year was the first successful organ transplant (kidney) performed?  
A) 1950  
B) **1954**  
C) 1958  
D) 1962
6. What is the chemical formula for potassium nitrate?  
A) KCl  
B) **KNO<sub>3</sub>**  
C) K<sub>2</sub>SO<sub>4</sub>  
D) KOH
7. Which author wrote "Infinite Jest"?  
A) **David Foster Wallace**  
B) Jonathan Franzen  
C) Don DeLillo  
D) Thomas Pynchon
8. What is the primary cause of the greenhouse effect?  
A) Ozone depletion  
B) **Absorption of infrared radiation by greenhouse gases**  
C) Solar ultraviolet radiation  
D) Atmospheric scattering
9. Which country was formerly known as Northern Rhodesia?  
A) **Zambia**  
B) Zimbabwe  
C) Malawi  
D) Botswana
10. What is the medical term for inflammation of the heart's inner lining?  
A) Myocarditis  
B) **Endocarditis**  
C) Pericarditis  
D) Cardiomyopathy

11. Which element has the atomic number 47?
  - A) **Silver**
  - B) Cadmium
  - C) Palladium
  - D) Rhodium
12. In Norse mythology, what is the name of the serpent that encircles the world?
  - A) Fenrir
  - B) **Jörmungandr**
  - C) Nidhogg
  - D) Sleipnir
13. What is the capital city of Turkmenistan?
  - A) Tashkent
  - B) **Ashgabat**
  - C) Dushanbe
  - D) Samarkand
14. Which law describes the conservation of angular momentum?
  - A) Newton's Second Law
  - B) **Noether's Theorem**
  - C) Lenz's Law
  - D) Kepler's First Law
15. Who wrote "Mrs. Dalloway"?
  - A) **Virginia Woolf**
  - B) Gertrude Stein
  - C) Edith Wharton
  - D) Djuna Barnes
16. Which country is home to the ancient ruins of Great Zimbabwe?
  - A) **Zimbabwe**
  - B) South Africa
  - C) Botswana
  - D) Mozambique
17. What is the largest species of venomous snake?
  - A) Rattlesnake
  - B) **King Cobra**
  - C) Inland Taipan
  - D) Gaboon Viper
18. What is the currency of Finland?
  - A) **Euro**
  - B) Krona
  - C) Krone
  - D) Markka
19. Which hormone is responsible for milk production in mammals?
  - A) Oxytocin
  - B) **Prolactin**
  - C) Estrogen
  - D) Progesterone
20. In which sport is the term "shutout" used?
  - A) Baseball
  - B) **Ice Hockey**
  - C) Soccer
  - D) American Football