

SENIOR SEMINAR'S SIZZLIN' NOBEL PRIZE QUIZ

1. Alfred Nobel made his fortune (endowing the Nobel Prize) from his invention of:
 - a. Nitroglycerine
 - b. trinitrotolouence
 - c. Dynamite
 - d. Blasting caps
2. Alfred was primarily interested in the use of dynamite for:
 - a. Construction work
 - b. Armaments (artillery shells, mines, bombs, etc.)
 - c. Medicinal purposes (heart problems)
 - d. As a catalytic reagent
3. In terms of formal training, Alfred was a:
 - a. Chemist
 - b. Physicist
 - c. Medical doctor
 - d. Engineer
4. Dynamite is comprised of:
 - a. Nitroglycerine and silica paste
 - b. Trinitrotoluene and nitroglycerine
 - c. Sulfuric acid and silica gel
 - d. Beeswax and wheat flour
5. The winner of the first Nobel Prize in Chemistry (1901) was:
 - a. Marie Curie
 - b. Sir Ernest Rutherford
 - c. Jacobus van't Hoff
 - d. Svante Arrhenius
6. The prize was awarded for:
 - a. Discovery of the noble gases
 - b. Development of laws governing osmotic pressure and chemical equilibrium
 - c. development of the modern model of the atom
 - d. defining the constitution of bile acids
7. Which of the following Chemists never received a Nobel Prize?
 - a. Linus Pauling
 - b. Gilbert Lewis
 - c. Emil Fischer
 - d. Sir Ernest Rutherford
8. Who received the Nobel Prize in Chemistry for work on the decay of radioactive elements?
 - a. Ernie Rutherford
 - b. Svante Arrhenius
 - c. Marie Curie
 - d. Walther Nernst

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9. Neils Bohr, who pioneered the concept of electron orbitals in the model of the atom, received his Nobel Prize in:
- Chemistry
 - Physics
 - Medicine
 - Peace
10. Which of the Nobel Prizes was not initially specified by Alfred in his will?
- Chemistry
 - Economics
 - Peace
 - Medicine & Physiology
11. Which of the following Nobel Prize winners also had a child who won a Nobel Prize?
- Linus Pauling
 - Neils Bohr
 - Marie Curie
 - Mike Ditka
12. The first Nobel Prize for what, today, would be described as biochemistry was for:
- Metalobism of lactic acid in muscle
 - Isolation and investigation of chlorophyll
 - Demonstration that fermentation can proceed with cell-free extracts
13. Of which Nobel Prize winner did his PhD advisor say "This will make him famous, in spite of the fact that he lacks talent as a chemist."
- Ed Buchner
 - JJ Thompson
 - Neils Bohr
 - Al Einstein
14. Who was the first scientist from industry to win a Nobel Prize in Chemistry?
- Eduard Buchner (1907, fermentation)
 - Sir William Ramsay (1904, discovery of noble gases)
 - Adolf von Baeyer (1905, synthesis of organic dyes)
 - Irving Langmuir (1932, surface chemistry)
15. Who is the only person to have won *two* Nobel prizes in chemistry?
- Marie Curie
 - Fred Sanger
 - Linus Pauling
 - Ernie Rutherford
16. Nobel Prizes are NOT awarded for:
- Literature
 - Physiology
 - Mathematics

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17. Who was the first *American* to win a Nobel Prize?
- Theodore Richards
 - Ted Roosevelt
 - Bob Koch
 - Bill Bragg
18. Albert Einstein won his Nobel prize for:
- The photoelectric effect
 - His special theory of relativity
 - His general theory of relativity
 - Peace (work for nuclear disarmament)
19. How many US Presidents have won a Nobel Prize?
- 1
 - 2
 - 3
 - 4
20. Winston Churchill won his Nobel Prize for:
- Economics
 - Literature
 - Peace
 - Physics