

Disease, Environment, Health, Human Populations, and Modern Technology

Multiple-Choice Quiz – ANSWER KEY

Directions: Select the best answer from the given options.

1. What was a movement of the 1940s-1970s that was aimed at using modern science to improve agriculture in the developing world?
 - a. Environmentalism
 - b. Globalization
 - c. Green Revolution**
 - d. Post-colonialism
2. A Light Amplification by Stimulated Emission of Radiation mechanism is better known as a _____.
 - a. laser**
 - b. light saber
 - c. nuclear bomb
 - d. replicator
3. Who discovered the basic structure of DNA in 1953?
 - a. Albert Einstein and Enrico Fermi
 - b. James Watson and Francis Crick**
 - c. Neil Armstrong and Jonas Salk
 - d. Robert H. Goddard and Hermann Oberth
4. What is measured by dividing total population by total land area?
 - a. Literacy rate
 - b. Life expectancy
 - c. Per capita income
 - d. Population density**
5. _____ is a pandemic disease of the immune system that has killed over 2,000,000 people worldwide; it was first reported in the United States in 1981.
 - a. AIDS**
 - b. Cancer
 - c. Pneumonia
 - d. Tuberculosis
6. _____ is the direct manipulation of an organism's genes in order to achieve certain results.
 - a. Anamorphism
 - b. Biotechnology
 - c. Cloning
 - d. Genetic engineering**
7. Who developed a vaccine for polio in 1952?
 - a. Francis Crick
 - b. Jonas Salk**
 - c. Louis Pasteur
 - d. Marie Curie
8. _____ is the practice of artificially and intentionally altering the rate of population growth.
 - a. Archaeogenetics
 - b. Cloning
 - c. Genetic engineering
 - d. Population control**

9. Worldwide _____ has increased from approximately 30 years at the start of the Common Era (1 C.E. or A.D. 1), to nearly 70 years today.
- age of infection
 - average age at first marriage
 - life expectancy
 - military conscription
10. What term is used to describe the spread of nuclear weapons?
- Nuclear disarmament
 - Nuclear proliferation
 - Nuclear war
 - Weapons of mass destruction (WMDs)
11. Which of the following did **not** participate in the Manhattan Project?
- Edward Teller
 - Enrico Fermi
 - J. Robert Oppenheimer
 - Jonas Salk
12. What area of science uses living things in engineering, medicine, and technology?
- Biotechnology
 - Chemistry
 - Genetic engineering
 - Physics
13. A/An _____ occurs when a disease spreads across a large region.
- epidemic
 - pandemic
 - plague
 - proliferation
14. Which of the following is **not** a motivational factor for recycling?
- Decrease the number and size of landfills
 - Increase the production of disposable consumer goods
 - Prevent the waste of potentially useful materials
 - Reduce the consumption of energy and raw materials
15. _____ is a movement aimed at protecting ecosystems, health, and natural resources.
- Environmentalism
 - Globalization
 - Nuclear proliferation
 - Outsourcing
16. _____ is the process of creating identical copies of DNA, cells, or organisms.
- Biotechnology
 - Cloning
 - Genetic engineering
 - Genetic reproduction
17. The ability to read and write is known as what?
- Economics
 - Journalism
 - Literacy
 - Literature
18. The science of genes, heredity, and variation in living organisms is _____.
- biotechnology
 - cloning
 - genetics
 - physiology
19. Which of the following is **not** a member of the Nuclear Club?
- Canada
 - France
 - Russia
 - United States
20. A/An _____ happens when occurrences of a certain disease exceed what would rationally be expected.
- epidemic
 - outbreak
 - pandemic
 - proliferation