

COVID QUIZ #5 ANSWER KEY

1. Artist Luke Jerram made a glass sculpture of the SARS-CoV-2 and has been fortunate to avoid contracting the virus. However, he was not so fortunate while he was making which structure?
 - a. Swine Flu
 - b. Salmonella
 - c. HIV
 - d. Zika Virus
 - e. Foot-and-Mouth Disease
2. What chemical reaction is thought to camouflage the COVID-19 virus from the human immune system?
 - a. Alkylation
 - b. Sulfonation
 - c. Glycosylation
 - d. Oxidation
 - e. Phagification
3. What country donated facemasks to the Navajo Nation?
 - a. Canada
 - b. Japan
 - c. Germany
 - d. China
 - e. South Korea
4. There are 4 known genera of Coronaviruses. Which type is believed to be responsible for the COVID-19 outbreak?
 - a. Alpha
 - b. Beta
 - c. Gamma
 - d. Delta
 - e. Sigma
5. Coronaviruses have the largest genome of all RNA viruses. Measured in kilobase pairs, how big is the SARS-CoV-2 replicase gene?
 - a. 5kb
 - b. 10kb
 - c. 20kb
 - d. 55kb
 - e. 85kb
6. Fly the healthy skies? Which airline is dressing its flight attendants in protective gear?
 - a. Delta
 - b. Cathay Pacific
 - c. Southwest
 - d. Qatar Airways
 - e. British Airways
7. What can accelerate the spread of the COVID-19 virus?
 - a. Brushing your hair
 - b. Long beards

- c. Screaming
 - d. Pus in pools
 - e. Cat poop
8. What are some organizations using to sanitize their vehicles?
- a. Heating to 133 degrees F
 - b. UV lights
 - c. Turbo fans
 - d. Virus eating bacteria
 - e. Hydroxychloroquine
9. What creates a great opportunity for dangerous new pathogens to emerge from nature?
- a. Rising sea levels
 - b. Pet turtles and tigers
 - c. Mixing of different viruses in bats
 - d. Cave tourism
 - e. River rafting
10. Herd immunity of 60% for COVID-19 remains a distant objective. In May, which of these cities had the lowest rate of antibodies found in its population?
- a. NYC
 - b. Wuhan
 - c. London
 - d. Boston
 - e. Stockholm
11. Which of those cities had over 20% of its people with the coronavirus antibodies?
- a. NYC
 - b. Wuhan
 - c. London
 - d. None
 - e. All
12. What type of face protection often lets in over 5% of airborne particles?
- a. Surgical masks
 - b. N95
 - c. KN95
 - d. Elastomers
 - e. Air purifying respirators
13. In 1918, why did the spring wave of the Spanish Flu go away, and then why did it come back in the fall?
- a. Supply of vaccine ran out
 - b. We don't know why
 - c. Face masks were not tight enough
 - d. Hand shaking and hugging resumed
 - e. Virus grew in cooler weather
14. If you attach GIANT microbes antibody or white blood cell to your backpack, how might this help reduce the spread of COVID-19?
- a. Spreading the knowledge about health

- b. Joy and smiles boost the immune system
- c. GIANTmicrobes, you are ridiculous, but I still love you
- d. GIANTmicrobes, you are so self-centered, you have gone too far
- e. Inspire kids to study science and improve the world
- f. All are correct