



March 10 - 14, 2020

TEST I. Workshop Activity

Make a simple video presentation of the types of natural hazards: biological hazard, and geologic hazard. In your video presentation. Give examples of natural hazard and explain the characteristics of each hazard, and the dangers each hazard poses to people and community.

TEST II

Directions: Answer the following briefly. (10 points)

According to World Health Organization we are facing unexpected hazard brought about by COVID 19. Using your learnings in DRRR, discuss COVID-19 using the following categories:

1. Disaster risk
2. Hazard
3. Adaptive Capacity
4. Vulnerability
5. Mitigation

**NOTE: WRITE YOUR ANSWERS IN A 1 WHOLE SHEET OF PAPER. CAPITAL LETTERS ONLY.
SUBMIT YOUR WORK WHEN CLASSES RESUME.**



March 10 - 14, 2020

TEST I.

Directions: Answer the following.

Given the current problems of the country on environmental pollution and shortages in food and clean water, pretend that you are a geneticist who can address these problems. Do the following below:

1. For Animals

- a. Design and draw a genetically modified chicken/ pig/ cow/ fish to address a certain disease or absence or presence of trait that can make it an effective source of food.
- b. Discuss in detail the organism you modified.

2. For Plants

- a. Design and draw a crop that you have genetically modified to address a certain disease, vulnerability, or absence, or absence or presence of trait that can make it an effective source of food.
- b. Discuss in detail the organism that you modified.

TEST II

Directions: Solve the following problems. (10 points each)

1. Research on the Human Genome Project. Write a brief essay explaining its significance.
2. What is X- linked genetic disorders? Cite an example and discuss its symptoms.
3. Look up for the Miller-Urey Experiment online. Briefly discuss any new updates or discoveries about the experiments.

**NOTE: WRITE YOUR ANSWERS IN A 1 WHOLE SHEET OF PAPER. CAPITAL LETTERS ONLY.
SUBMIT YOUR WORK WHEN CLASSES RESUME.**



March 10 - 14, 2020

TEST I.

Directions: Identify what is being asked on the following question/statements. (10 points)

1. He was a Greek philosopher who conceptualized that all matter is made up of earth, air, fire and water.
2. They proposed that matter is made up of invisible particles or atoms.
3. It is a biomolecule composed of C, H, and O.
4. It refers to any pure compounds that contain the same element in the same proportion by mass.
5. This states that the total mass of all substances before and after the change are the same.
6. What are the two isotopes of hydrogen?
7. It is a process in which a nucleus either combines with another nucleus or splits into smaller nuclei.
8. It is the transfer of electron between metal and non-metal.
9. It is the resistance of the liquid to increase the surface area.
10. This principle states that it is impossible to know precisely both the velocity and position of a particle at the same time.

TEST II.

Directions: Balance the following equation and identify the type of chemical reaction present in each equation. (15 points)

1. $I_2 + HNO_3 \rightarrow HIO_3 + NO_2 + H_2$
2. $Ca_3P_2 + H_2O \rightarrow Ca(OH)_2 + PH_3$
3. $C_2H_5OH + O_2 \rightarrow CO_2 + H_2O$
4. $KClO_3 \rightarrow KCl + O_2$
5. $CaC_2 + H_2O \rightarrow C_2H_2 + Ca(OH)_2$

TEST III.

Directions: Provide the electron configuration (EC), orbital diagram (OD), period (P), and group (G) of the following elements. Write the complete set of quantum numbers (QN) for the last electron to fill up the orbital diagram.

1. Technetium
2. Tungsten
3. Cadmium
4. Holmium
5. Uranium

**NOTE: WRITE YOUR ANSWERS IN A 1 WHOLE SHEET OF PAPER. CAPITAL LETTERS ONLY.
SUBMIT YOUR WORK WHEN CLASSES RESUME.**