



Science Olympiad

Downloadable Mock

Level 8

General Instructions:

1. Please note this is a mock paper. The questions may differ in the final exam. This is only for your practice.
2. The exam should be answered on the question paper itself.
3. Please read the questions carefully before answering them.

Student Details:

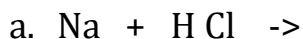
Name: _____

Level: _____

LMS ID: _____

School Name: _____

Q1. Complete the following reactions.



Q2. Match the following.

A. Thyroid gland	1. Fight-or-flight hormone
B. Adrenal gland	2. Insulin
C. Pancreas	3. Oestrogen and Progesterone
D. Testis and Ovary	4. Growth hormone

Q3. Solve the below given word problems.

1. A body weighing 200 N is placed on a wooden board of area 4 m². What will be the pressure exerted by the body on the wooden board?

2. What is the minimum audible sound that a human ear can hear?

Q4. Answer the questions based on facts you have learnt?

1. Define Nitrogen cycle.

2. What are some of the differences between thermoplastics and thermosetting plastics?

3. What is the difference between antigen and antibodies.

4. What is fuel efficiency?

5. What will be the harmful effects of the ozone layer depletion?

Q5. Classify.

1. wheat, rice, pea, cotton, groundnuts, mustard

a. Kharif crops –

b. Rabi crops –

2. cholera, chickenpox, polio, typhoid, diarrhea, rabies

a. diseases caused by bacteria –

b. diseases caused by virus –

Q6. Explain.

1. Food that needs to be stored must be preserved.

2. Germanium is a metalloid.

Q7. Choose the correct option.

1. Azobacter helps in the process of -

- a. denitrification
- b. nitrification
- c. ammonification

2. When a candle is lit, its flame is spindle-shaped and has different zones. The zone which is the least hot is the -

- a. outermost zone
- b. middle zone
- c. innermost zone

3. Which of the following is not a consequence of deforestation -

- a. Desertification
- b. Global warming
- c. Wind storms

Q8. Give Reasons.

1. Growing, leguminous crops is very good for soil -

2. Rayon is called artificial silk -

Q9. Say what will happen.

1. If *Lactobacillus acidophilus* is added to milk -

2. If the ovum does not get fertilized -

Q10. With the help of activities conducted, pick the correct option.

1. Light two candles. Cover one candle with an inverted glass and leave the other candle open. Observe the two candles after sometime-
 - a. The flame on the open candle dies out
 - b. The flame on the covered candle dies out
 - c. The flame on both the candles is burning brightly

2. Fill a glass tumbler with water such that there are no air bubbles inside it. By keeping a piece of cardboard on the tumbler invert it. Slowly remove your hand from the cardboard. The cardboard is stuck to the tumbler even after you remove your hand. This is because -
- a. Air exerts pressure
 - b. Air does not exert pressure
 - c. Water attracts the cardboard

Middle School Olympiad 2020-21