



Science Olympiad

Downloadable Mock

Level 7

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. Draw and label the structure of a flower.

Q2. Match the following.

A. Aerobic respiration	1. Fish
B. Anaerobic respiration	2. Requires oxygen
C. Respiration through skin	3. Does not require oxygen
D. Respiration through gills	4. Frog

Q3. Solve the below given word problems.

1. The temperature of hot water is measured to be 80°C . How much will this temperature be in $^{\circ}\text{F}$?

2. A vehicle travelled 480 km in 8 hours. What was the speed of the vehicle?

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

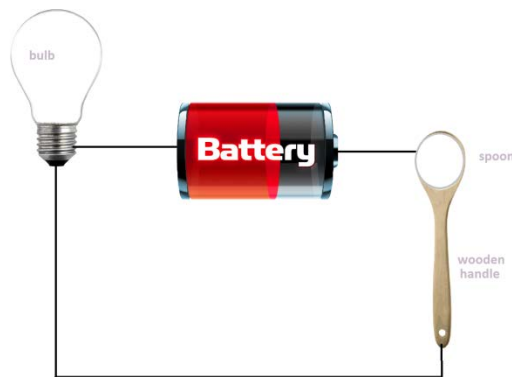
1. What is assimilation?

2. What is precipitation reaction?

3. Write any two properties of acids.

4. What is temperate climate?

5. Will the bulb light in the given circuit? Why?



Q5. Classify.

1. cuscuta, mistletoe, venus flytrap, pitcher plant, corpse flower, sundew

a. Parasitic plants –

b. Insectivorous plants –

2. humans, air, water, plants, soil, animals

a. biotic components –

b. abiotic components –

Q6. Explain.

1. Plants are called autotrophs.

2. Melting of butter is a physical change.

Q7. Choose the correct option.

1. The branch of science which deals with silkworm farming is -

- a. Sericulture
- b. Horticulture
- c. Agronomy

2. During exothermic chemical reactions, heat is -

- a. released
- b. absorbed
- c. first absorbed then released

3. Which of the below is formed as a result of neutralization reaction -

a. acid

b. base

c. salt

4. Images from a convex mirror are always -

a. diminished

b. same as the object

c. magnified

Q8. Give Reasons.

1. Farmers need to add nutrients to the soil, after a harvest -

2. Untreated human excreta are a threat to health -

Q9. Say what will happen.

1. If a cold glass is filled with very hot water -

2. If a bowl filled with little water is kept in the hot sun -

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

1. Light a candle and look at the candle flame through a tube. You can see the flame. Now bend the tube towards the end and try and observe the flame -

- a. The flame cannot be seen
- b. The flame can be seen
- c. The flame can be seen but seems to be flickering

2. Take a metal can with lid. Fill the can with water and heat it over the flame, without the lid. Let the water in the can boil for a few minutes. Now, place the lid carefully on the can. Take cold water and pour it on the hot metal can -
 - a. the lid of the can pops out
 - b. the can gets crushed from all sides
 - c. the can produces a whistling sound

3. A wire is wrapped around an iron nail and the wire is connected to a battery so electric current flows through it. Few pins are brought close to the nail -
 - a. The iron nail attracts the pins
 - b. The iron nail repels the pins
 - c. The iron nail neither attracts nor repels the pins