

Grade 9 - Homework 1

1. Applications of Micro-Organisms

1. Which type of micro-organism is widely used in dairy and vinegar industries?
2. Which micro-organisms has living and non-living characteristics?
3. Write 3 extreme environmental conditions where micro-organisms can survive.
4. Write a substrate of fungi.
5. Write 2 applications of micro-organisms in gene technology.

2. Eye and Ear

State whether the following statements are true or false.

1. Eye is fixed with 6 eye muscles to the orbit. ()
2. Eye can be moved only in horizontal and vertical planes. ()
3. Ciliary muscle helps to control the curvature of the eye lens. ()
4. Eye lens is a biconvex lens. ()
5. Even the light is focused to blind spot, no vision is possible there. ()

3. Nature and Properties of Matter

1. What do you understand by 'Matter'?
2. Categorize the matter according to the chemical composition.
3. Include the below mentioned things in to the above categories.

(Carbon, Air , Glucose, Drinking water ,Sodium Chloride, Crude oil, Zinc, Salt solution, Gold)

4. What is considered as the building unit of matter?
5. Write the name of the scientist who first use the word 'atom ' ?