

Notre Dame Holy Cross High School
Periodical Test-1 2021-2022
Class: VII Subject: Science

Time: 1.30Hours

Total Marks: 40

- I. Choose the correct answer: 1x5=5
1. Which of these are autotrophs? (all plants/green plants/all animals)
 2. Which of the following is not a mixture? (sea water/pure water/mixture)
 3. The valency of which of these elements is zero? (iron/helium/hydrogen)
 4. Heat causes (change of state/change of temperature/all of these)
 5. Which of these will expand the most on heating? (gold/water/mercury)
- II. Fill in the blanks: 1x5=5
1. The structures in cells that contain chlorophyll are called _____ .
 2. Living organisms that can not make their own food are called _____ .
 3. The smallest particle of a compound is _____ .
 4. Heat is a form of _____ .
 5. For scientific work, the _____ temperature scale is used.
- III. State whether true or false: 1x5=5
1. Some green plants are also heterotrophic in nature.
 2. Saprophytes are green in colour.
 3. All solids expand by the same amount when heated through the same temperature increase.
 4. Temperature is usually measured by measuring expansion in gases since gases expand the most.
 5. In a compound of two elements, the elements are combined in a certain fixed ratio that always remains the same.
- IV. Answer to the following questions: 1x5=5
1. What type of plant is Cuscuta?
 2. What does 'photo' in photosynthesis refer to?
 3. Name an element whose atoms occur in pairs.
 4. Name an element which exists in the free state in nature.
 5. What are the upper fixed points of the Celsius and the Fahrenheit scales?
- V. Answer to the following questions: 2x3=6
1. List four effects that heat produces.
 2. What does a formula represent?
 3. What is nutrition?
- VI. Answer to the following questions: 3x3=9
1. Write the difference between autotrophs and heterotrophs.
 2. Explain the difference between an element and a compound.
 3. Explain why gases expand more than liquids and solids.
- VII. Answer to the following question: 5x1=5
1. How will you test a leaf for starch? Mention any precautions you will take.