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**WORKSHEET FOR TERM– 1 (2017-18)**

**CLASS – VII (SCIENCE)**

**1. Nutrition in Plants**

Q 1 Name a plant that has both autotrophic as well as heterotrophic mode of nutrition.

Q 2 Name the green pigment that helps the leaves to capture sunlight.

Q 3 What is a lichen?

Q 4 What is the stored form of carbohydrates in plants?

Q 5 Why in the rainy season does a loaf of bread turn blue, brown or greenish?

Q 6 Write the chemical equation representing the process of photosynthesis.

**2. Nutrition in Animals**

Q 1 What do you understand by animal nutrition?

Q 2 Define digestion.

Q 3 Name the process of taking in food?

Q 4 Name the glands present inside the oral cavity.

Q 5 What helps our tongue to taste the food?

Q 6 Write one similarity and one difference between the nutrition in amoeba and human beings.

Q 7 Draw labelled diagrams of --- (a) Human digestive system (b) Amoeba

**3. Fibre to Fabrics**

Q 1 What is sericulture?

Q 2 What is scouring?

Q 3 Name the protein which is the chief component of wool and silk fibres.

Q 4 Which animal produces angora wool?

Q 5 Define the term grading.

Q 6 Which country is the largest producer of wool?

Q 7 Why caterpillars should not be collected with bare hands?

Q 8 Write sequence of steps in the processing of wool.

**4. Heat**

Q 1 State the range of laboratory thermometer.

Q 2 How can we measure the temperature of our body?

Q 3 What is the normal temperature of a human body?

Q 4 What is the use of the kink in clinical thermometer?

Q 5 Name the process by which heat is transferred from hotter object to the colder object when they come in contact with each other.

Q 6 What is temperature?

Q 7 Define conduction.

Q 8 What is the process by which heat of sun is able to reach us?

Q 9 In places of hot climate, it is advised that the outer walls of houses should be painted white. Explain.

Q 10 What are conductors and insulators? Give examples.

**5. Acids, Bases and Salts**

Q 1 Give the names of two weak acids.

Q 2 Which of the following materials is almost neutral? Tap water, distilled water, rain water

Q 3 What is the chemical nature of a compound that turns blue litmus red?

Q 4 What happens when you blow CO2into lime water through a glass-tube?

Q 5 Define indicators. Give examples.

Q 6 Why do some fruits like oranges taste sour?

Q 7 Where is lactic acid found?

Q 8 Name the acid which is found in our body cells.

Q 9 What do you understand by acid rain? How is it harmful

Q 10 Name the organic acid present in tomatoes?

**6. Physical and Chemical Changes**

Q 1 What is the chemical name of Baking Soda?

Q 2 What is rusting? How can we prevent rusting?

Q 3 What type of change is photosynthesis?

Q 4 What do you understand by physical properties of a substance?

Q 5 Explain why burning of wood and cutting it into small pieces are considered as two different types of changes?

Q 6 What is a chemical change?

Q 7 What is neutralisation reaction?

Q 8 Name four characteristics which are included in the physical properties of matter.

**7. Weather, Climate and Adaptations of Animals to Climate**

Q 1 What do you mean by weather?

Q 2 Which department gives the information about weather?

Q 3 What is the role of the Meteorological Department of a country?

Q 4 How do penguins keep themselves warm?

Q 5 Which type of climatic conditions prevail in the following regions?

Jammu & Kashmir, Kerala, Rajsthan and North-east India.

Q 6 Some birds travel as much as 15000 km to avoid the extreme climatic conditions to the same places every year. What are the probable reasons to travel to the same places every year?

Q 7 Give two functions of the large ears of elephant.

Q 8 Why does polar bear have white fur?

**17. Forests: Our Lifeline**

Q 1 What is the importance of forests in our life?

Q 2 Give the name of some forest plants along with their uses.

Q 3 Define: 1. Autotrophs 2. Heterotrophs 3. crown of the tree

Q 4 What do you understand by the term food chain?

Q 5 What are decomposers?

Q 6 Why are the forests considered as “Green Lungs” of the earth?

Q 7 What do you understand by the term- ‘Forest’?

Q 8 How can deforestation affects the water cycle?

Q 9 What would happen if forests will disappear from earth?

Q 10 Mention the importance of forest in our life

**18. Wastewater Story**

Q 1 What is waste water? Give its physical characteristics.

Q 2 What is sewage?

Q 3 Name the impurities present in sewage.

Q 4 What is sewerage?

Q 5 Why it is essential to treat polluted water?

Q 6 Explain the process of wastewater treatment.

Q 7 Write the better housekeeping practices by which water pollution can be controlled.

Q 8 Name the diseases, which caused by the polluted water.

Q 9 Write measures government is taking to dispose sewage.

Q 10 Explain the relationship between sanitation and disease.

* **Note: Read all lessons and do writing practice for examination.**

**Make a practice of drawing diagrams from above chapters.**

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