

Chemistry Worksheet Grade VII  
Mixed Bag

1. Fill in the blanks:

- Lemon contains \_\_\_\_\_ (citric/tartaric) acid, whereas milk has \_\_\_\_\_ (lactic/oxalic) acid.
- Mineral acids are \_\_\_\_\_ (strong/weak) acids.
- \_\_\_\_\_ (acids/bases) are sour to taste.
- The top level of underground water is called the \_\_\_\_\_ (water table/water cycle)
- Hilly areas generally have a \_\_\_\_\_ (thick/thin) layer of soil.

2. Write one word for each of the following:

- Decayed plant and animal remain
- Removal of trees on a large scale
- A type of pesticide that should be used to decrease soil pollution
- Dirty water
- Wastewater that contains suspended impurities
- The material that settles at the bottom of sedimentation

3. Answer the following questions:

- Define the term aquifer.
- How does milk of magnesia relieve acidity?
- Increase in population leads to the depletion of water table. Explain, how?
- Why should waste like used tea leaves, cotton, solid food remains be thrown in the dustbin instead of drains?
- What is the effect of phenolphthalein indicator on hydrochloric acid and sodium hydroxide?
- Shyami conducted an experiment in the field to calculate the rate of percolation. He noticed that it took 60 minutes for 240 ml of water to percolate through the soil sample. Calculate the rate of percolation.
- Explain any three processes of water cycle.
- Explain any three ways of alternate arrangements of sewage disposal.
- Draw a well labelled diagram showing different layers of soil.
- What is acid rain? Which gaseous pollutants make it acidic? What are its harmful effects?
- a. name any two organic impurities present in waste water.  
b. Why is it harmful to discharge the untreated sewage into rivers or lakes?  
c. What is the function of sewerage?