Name: _____ Date: _____

Acids, Bases and Salts

Q1. Dorji has a few bottles of soft drink in his restaurant. But, unfortunately, these are not labeled. He has to serve the drinks on the demand of customers. One customer wants acidic drink; another wants basic and third one wants neutral drink. How will Dorji decide which drink is to be served to whom?

Ans. _____

_____

_____

_____

_____

Q2. Complete the following table.

Ans.

Found in	Name of acid
Vinegar	_____
Ant's sting	_____
Citrus fruits such as oranges, lemons, etc.	_____
Curd	_____
Spinach	_____
Amla, Citrus fruits	_____
Tamarind, grapes, unripe mangoes, etc.	_____

Q3. State few properties of base.

Ans. _____

_____

_____

_____

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Ans.   Dorji can use red and blue litmus paper in order to test the drink.

i.   The drink which does not change the colour of either red or blue litmus is the neutral drink.

ii.   The drink which turns red litmus blue is the basic drink.

iii.   The drink which turns blue litmus red is the acidic drink.

Q2.   Complete the following table.

Ans.

Found in	Name of acid
Vinegar	Acetic acid
Ant's sting	Formic acid
Citrus fruits such as oranges, lemons, etc.	Citric acid
Curd	Lactic acid
Spinach	Oxalic acid
Amla, Citrus fruits	Ascorbic acid (Vitamin C)
Tamarind, grapes, unripe mangoes, etc.	Tartaric acid

Q3.   State few properties of base.

Ans.   Properties of base

1. Bases are bitter in taste and soapy to touch.

2. Bases turn red litmus blue.

3. China rose indicator turns basic solutions to green.

4. Turmeric indicator turns basic solutions

5. Odorless (except ammonia).

6. Bases are slippery.

7. When the solution is basic, phenolphthalein gives a pink colour.