

# ROUND ABOUT

## Worksheet - XII

Name: ..... Class: ..... Roll No.: .....

### A. Fill in the blanks taking clues from the Pick-up point.

**Pick-up Point-** repel, repulsion, richter, seismic, plastic, lightning, Benjamin Franklin, static

- The electric charges generated by rubbing are .....
- Two objects made of same material ..... each other when they are charged.
- ..... alone is a sure test of whether a body is charged or not.
- ..... is an insulator.
- ..... first proved that cloud builds up charge during a storm.
- ..... is a very heavy flow of charge between clouds or between clouds and earth.
- The waves generated by an earthquake are ..... waves.
- The magnitude of earthquake is measured on the ..... scale.

### B. Given below are the common names of some chemicals, their chemical names and chemical formulas. Complete the chart.

	COMMON NAME	CHEMICAL NAME	CHEMICAL FORMULA
1	Water	Hydrogen Peroxide	
2	Caustic Lotion		Ca [OCl] <sup>2</sup>
3	Red Lead		
4	Hydrogen Peroxide		H <sup>2</sup> O <sup>2</sup>
5	Bleaching Powder		
6	Laughing Gas		N <sup>2</sup> O
7	Caustic Soda	Sodium Bicarbonate	
8	Limestone		
9	Chloroform	Trichloromethane	
10	Baking Powder		
11	Common Salt		NaCl
12	Saltpetre		
13	Quick Lime	Calcium Oxide	
14	Plaster of Paris		
15	Washing Soda		Na <sup>2</sup> CO <sup>3</sup> 10H <sup>2</sup> O

### C. Identify the Indian women who work in the fields of science and technology.

1. Who was the first Indian female physician (Lady Doctor) who got training in western medicine (Allopathy) from the Calcutta Medical College, Kolkata?
- (a) Kadambini (Basu Ganguly)
  - (b) Mrinalini Thakur
  - (c) Sharmila Bhattacharjee
  - (d) Charusita Chakravarty



5. Who was the first Indian woman gynaecologist (obstetrician and infertility specialist) who delivered a test tube baby?
- (a) Dr Anju Chadha
  - (b) Dr Indira Hinduja
  - (c) Dr Renu Khanna Chopra
  - (d) Dr Darshan Rangnathan



2. Who was the first Indian female physician (Lady Doctor) who got training in western medicine (Allopathy) from abroad (Philadelphia, USA)?
- (a) Kadambini Ganguly
  - (b) Shubha Tole
  - (c) Qamar Rehman
  - (d) Anandi Gopal Joshi



6. Who was the first Indian woman to get a Ph.D in a scientific discipline?
- (a) Dr Devaki Jain
  - (b) Dr Janaki Ammal
  - (c) Dr Indira Nath
  - (d) Dr Mridula Mukherjee



3. Who was the author of “The Handbook for solar radiation data for India” and was the first Deputy Director General of India Meteorological Department?
- (a) Meenakshi Bannerjee
  - (b) Aditi Pant
  - (c) Anna Mani
  - (d) Bindu A. Bambah



7. Who was presented the Rashtrapati Award for the discovery of the health drink ‘Neera’ which is an important food for malnourished children?
- (a) Kamala Sohoni
  - (b) Vibha Tripathi
  - (c) Mridula Mukherjee
  - (d) Nayanjot Lahiri



4. Who was the first woman scientist to pioneer the field of Microwave Engineering and Antennae Engineering in India?
- (a) Padma Desai
  - (b) Rajeswari Chatterjee
  - (c) Leela Gandhi
  - (d) Chitra Mandal



8. Who was the first lady scientist elected as the General President of the Indian Science Congress Association in 1975?
- (a) Prof. Asima Chatterjee
  - (b) Prof. Nivedita Menon
  - (c) Prof. K.K. Usha
  - (d) Prof. Jayati Ghosh

