

Revision

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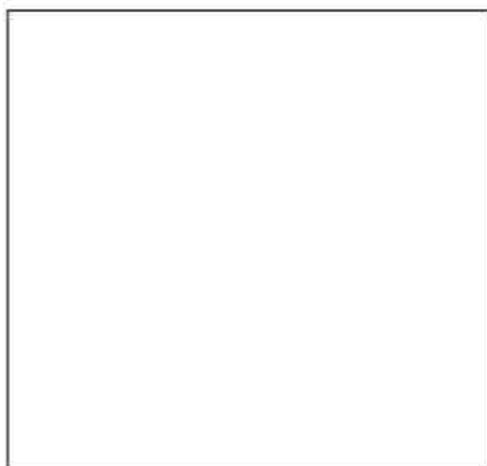
Q.1 Give the names of instruments having electrical circuits.

Q.2 Is there electric circuit in mobile? How does mobile phone get electric energy?

Q.3 Why is a small bulb kept in the tester?

Q.4 Draw or stick the picture of first, second and third type of lever.

Q.5 Explain the method of separation used in the given picture.



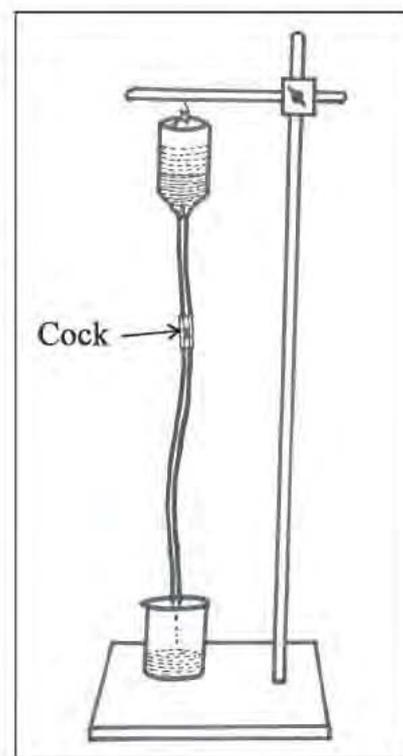
Find and write three examples in which this method is used.

Q.6

What is required? Intravenous (IV) Set, two beakers, stand, cutter, water, kerosene, empty bottle of glucose.

What to do?

- Cut the small part with the help of cutter from the upper side of empty glucose bottle.
- Fill mixture of water and kerosene in it.
- Attach the I.V. set with this bottle and place it on the stand.
- Keep it for five to ten minutes to be steady.
- What is seen?



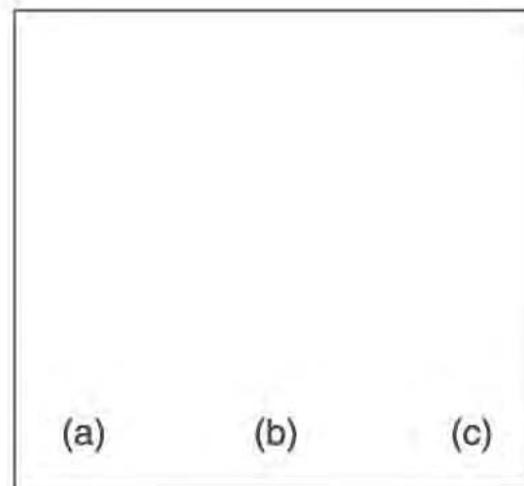
Now, place a beaker at the lower end of I.V. set and open the cock. When water from the bottle is in the beaker turn off the cork.

Now, place another beaker at the position of the first beaker and again open the cock. Observe the liquid in both the beakers.

- **In the mixture of water and kerosene, water remains below and the kerosene upper. Why does it happens so?**

Q.7 Make your rain gauge :

- Take one transparent plastic bottle having uniform diameter.
- Cut it from the upper side and using scale marke calibration on it as shown in the figure.
- Your rain measuring instrument is prepared.
- Every day place your instrument at open place from morning 7 o'clock to evening 7 o'clock. Find the volume of water collected during 12 hours.
- In this way measure rain for one week.

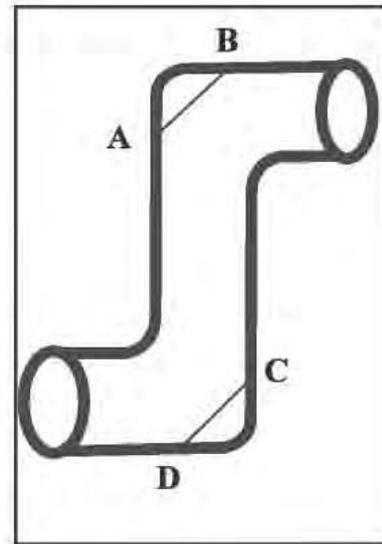


Day	Sunday	Monday	Teusday	Wednesday	Thursday	Friday	Saturday
Rain (ml)							

- Find the average of rain during a week.

Q.8 Make a device as shown in following figure :

Make a cut at \overline{AB} and \overline{CD} . Then stick plane mirrors of proper size. Write the things which are taken in use.



Give name of this device.

On which principle does this device work? Why? Discuss it and note.

Q.9 Take an empty box without cover. At all four inner side stick mirrors.

- Place a picture of proper size at the bottom of it and see it.
- Give practical use of this device.

Q.10 Collect some things from your surroundings. Classify them as element, compound and mixture.

Element	Compound	Mixture

Q.11 What is required? a beaker, edible soda, lime, paper, sugar, salt, an incense stick, a match box.

What to do?

- (1) Take some baking soda in a beaker.
Add lime juice in it.
What is seen?

- (2) Take some sugar on the paper.
Add some salt in it.
Observe it.

- (3) Lighten an incense stick.
Observe it for some time.
What is seen?
Observe its residue.

The objects obtained at the end of all these three activities are compound or mixture. Discuss about it with your friends.