

28/6/21



18 True or False

State whether the following statements are 'True' or 'False'.

- 1. Oranges are good for preventing cold. T
- 2. The Amazon Rainforest in South America is the biggest rainforest in the world. T
- 3. Ferns are among the oldest trees on Earth. T
- 4. The coca in the drink Coca-Cola is got from the same plant from which the dangerous drug Cocaine is made. T
- 5. Fir trees drop their leaves in winter. F
- 6. Venus Flytrap is an insectivorous plant. T
- 7. The pollens of most water plants spread by floating on water. T
- 8. The underground part of the onion plant that we eat is actually a fruit. F
- 9. Brinjal is the fruit of its plant, which we generally use as a vegetable. T
- 10. Potato that we eat is the root of the potato plant. F
- 11. A banana has very tiny immature seeds inside it. F
- 12. The leaves of the Victoria Amazonica plant are the biggest in the world. T
- 13. Wolffia plants are among the tallest plants in the world. F
- 14. The outermost part of a flower is called calyx. F



Coca plant



Amazon rainforest



Victoria amazonica



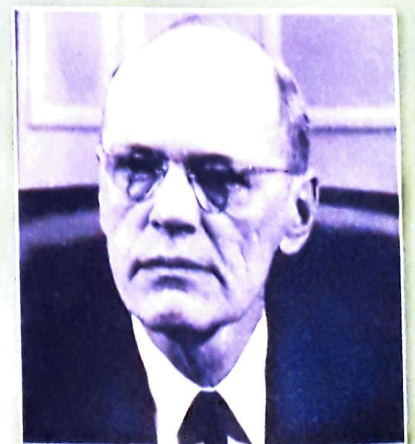
Wolffia plants

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Mixed Bag-I

Choose correct answers from the brackets and write them in the blanks.

- I like to watch a T.V. show in which people compete in a quiz and the winners are given prizes. I like to watch a QUIZ SHOW . (Quiz show/ Reality show)
- An athletic event made up of three games– Swimming, cycling and running– in that order. TRIATHLON (Tri-event/Triathlon)
- This Tomar ruler is credited to have established Delhi. What is his name? ANANGPAL (Prithviraj Chauhan/Anangpal)
- John's leg bones have not formed well due to low intake of milk. His legs are bent and he can't walk properly. He is suffering from RICKETS . (Rickets/ Anaemia)
- This type of computer is also known as a notebook. It weighs 1 to 3 kilograms and can be carried easily. It is a LAPTOP . (laptop/ desktop)
- A period of about 365 days is called a YEAR . (millennium/year)
- A building in which nuns live. CONVENT (Convent/ Monastery)
- A place where bees are kept. APIARY (Arsenal/Apiary)
- He invented bandages. He was a cotton buyer at the Johnson and Johnson Company. His name is EARLE DICKSON . (Earle Dickson/ Benjamin Franklin)
- I study the life and behaviour of birds. I am AN ORNITHOLOGIST . (a cartographer/an ornithologist)



GRAVITY DEFYING WATER

28/6/21



Aim: To use air pressure to hold the water in an inverted glass.

Materials needed: A glass filled right to the brim with water, a piece of cardboard.

Method:

1. Put the cardboard over the mouth of the glass, making sure that no air bubbles enter the glass as you hold onto the cardboard.



2. Holding the cardboard firmly, turn the glass upside down (preferably over a sink, so that you may not make the floor wet accidentally).
3. Slowly, take away your hand holding the cardboard. See what happens.
4. Observe that the cardboard sticks to the mouth of the glass and keeps the water inside the glass.



Why did it happen?

With no air inside the glass, the air pressure from outside is greater than the pressure of the water inside the glass. The extra air pressure holds the cardboard in place, keeping the water inside the glass.

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Tell me WHY?

1. Why does our mouth water when we smell delicious food?

The “water” that our mouth makes is called saliva. When we smell delicious food our body wants to eat it. More saliva than usual is produced in our mouth to help break down the food so that it can be easily digested by our body. The saliva also helps to make the food taste better.

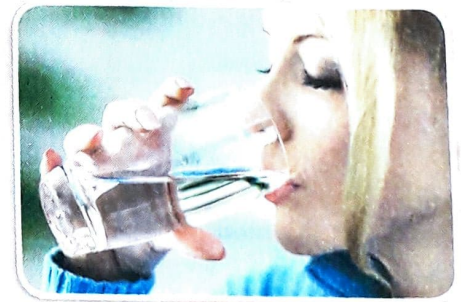


2. Why do we burp?

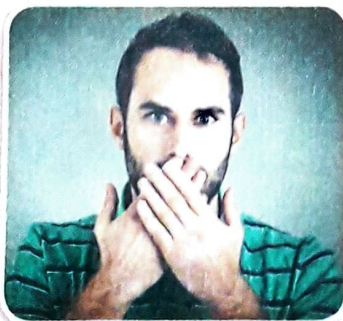
When we eat or drink, we don't just swallow food or drink, but also swallow air with it. Sometimes when we swallow excess air, our body forces it out in the form of a burp.

3. Why do we feel thirsty?

The feeling of thirst is our body's way of telling us that it needs water. We lose water all through the day in activities like running, walking, playing and breathing etc. When water in our body falls below a certain level our brain makes us feel thirsty so that we drink water and make up for the loss.



4. Why do we get hiccups?



There is a large dome shaped muscle below our lungs called diaphragm. The diaphragm helps our lungs to expand and contract so that we can breathe. Sometimes, our diaphragm becomes irritated due to eating too much food or eating food too quickly. Irritated diaphragm pulls down causing us to suddenly suck air. This air hits our voice box and causes hiccups.