

Everyday Science Quiz Questions with Answers - Part 1

94 Administrator Wed, Apr 17, 2019 [Education](#), [General Knowledge](#), [Science](#) 1 7261

General Science Quiz Questions & Answers - Part 1

1. Why does a piece of iron get rusted if left exposed in the open?

Iron piece rusts if left exposed in the open because it reacts with the oxygen in the air, forming iron oxide - a compound of iron and oxygen.

2. Why can petrol fire not be put out with water?

Petrol is a hydro carbon which remains isolated with water and is having less density. So when water is poured petrol floats on it and keeps on burning. The temperature of the burning petrol is so high that the water poured on the petrol fire is evaporated before it extinguishes the fire.

3. Ice packed in Saw dust does not melt quickly. Why?

Saw dust is a bad conductor of heat and protects the ice from the external heat and hence from melting away quickly.

4. White light passing through a glass prism gives rise to a colored pattern on the wall. Why?

White light is made up of seven colors. Rays of different colors refract or bend along different paths and fall on different points on the wall forming a colored pattern known as spectrum.

5. A boatman pushes the bank with his pole. Why?

Action and reaction being equal and opposite, the bank will push the boat away from it.

6. A burning candle gets extinguished when covered with a tumbler. Why?

Burning candle gets extinguished when covered with a tumbler because the supply of oxygen is cut-off and the flame goes out.

7. Why do you see rainbow after rain?

The water drops suspended in the atmosphere act as prism and disperse light into seven colors.

8. A metal teapot has an ebony handle. Why?

Ebony being bad conductor of heat, the handle does not get hot.

9. Why is one's breath visible in winter, but not in summer?

In winter the water vapor contained in the breath condenses into small droplets of water, which become visible. In summer it is not so.

10. The weight of a man on the surface of the moon will be only about one sixth of his weight on the earth. Why?

The gravity of the moon is one-sixth that of the earth, hence the weight of a person on the surface of the moon will be one-sixth of his weight on the earth.

11. Why is it easier to roll a barrel than to pull it along the road?

Slipping resistance is much more than rolling resistance.

12. Why the flash of lighting is seen before the sound of thunder is heard?

Because light travels faster than the sound.

13. How does a soda water straw work?

When we suck through a soda water straw, low pressure is created inside the straw. The liquid outside rushes into balance the difference.

14. Why a small space is left between each set of two rails of a railway line?

Iron expands when it gets hot. A small space is left between the ends of the rails in order to allow the expansion of rails due to heat.

15. How does bulb emit light?

The current passes through a wire of high resistance which becomes red hot, and emits light.

16. What is an electric fuse? What purpose does it serve?

A thin wire used in maintaining the condition of the energy; it prevents overloading of energy.

17. How does a thermos flask keep a hot liquid hot and cold liquid cold?

It is a double-walled vessel in which the inner surface of the outer vessel and the outer surface of the inner vessel are silvered so as to prevent radiation of heat. The space between the walls of the two vessels is made of vacuum to prevent the escape of heat by conduction or convection.

18. A parachute enables a person to descend in safety in case of an accident to aircraft?

A man falls to the earth because of the gravitational pull of the earth. The parachute offers considerable resistance to that gravity, thereby slowing down the speed of the descending man. The parachute thus enables a person to descend in safety.

19. A person in a moving vehicle is thrown forward when the vehicle stops suddenly. Why?

When a moving vehicle stops suddenly, a passenger will tend to fall forward because the lower part of his body in contact with the seat comes to stop suddenly but the upper part of his body is still in motion sharing the movement of the train. So on account of inertia, the passenger falls forward.

20. A plane approaching at a speed of 1000 miles per hour is not heard. Why?

Sound travels at a speed of 760 miles per hour, hence a plane approaching at a speed of 1000 miles per hour cannot be heard.

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