

VERY SHORT ANSWER QUESTIONS

7. Unscramble the underlined words in the following sentences.
- (a) Reproductive life of a woman lasts from hacreemn to spauoemen.
 - (b) The development of a caterpillar to an adult butterfly is termed as poommertaissh.
 - (c) The overgrowth of sumselc in xalnyr leads to the hoarse voice in adolescent boys.
 - (d) Dannalier helps the body to adjust and fight the stress.
8. Complete the following sentences.
- (a) In females, the uterine wall thickens to receive the _____.
 - (b) Endocrine glands release hormones directly into _____ for transportation to the _____.
 - (c) The sex hormones, _____ and estrogen are responsible for the development of _____ characters.
 - (d) Release of sex hormones is under the control of a hormone secreted from the _____.
9. Give a suitable word for each of the following statements.
- (a) The site which responds to a hormone.
 - (b) Name of a gland which transports secretions through ducts.
 - (c) Chemicals which control changes at adolescence stage.
 - (d) It marks the beginning of reproductive period.

18. Fill the blank circles in figure 10.1 and identify the sex of child A and B.

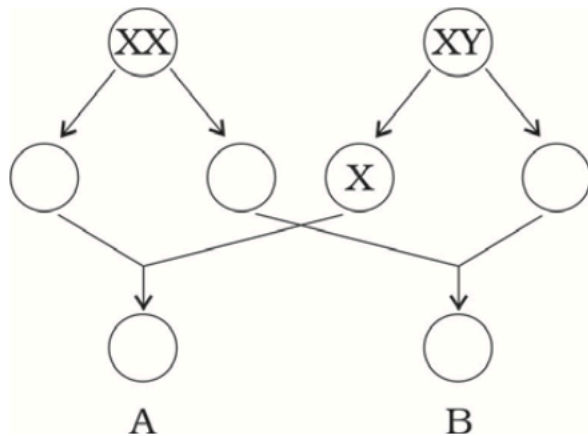


Fig.10.1

VERY SHORT ANSWER QUESTIONS

11. Lightning can be seen the moment it occurs. Paheli observes lightning in her area. She hears the sound 5 s after she observed lightning. How far is she from the place where lightning occurs? (speed of sound = 330 m/s).
12. Does any part of our body vibrate when we speak? Name the part.

SHORT ANSWER QUESTIONS

16. A simple pendulum makes 10 oscillations in 20 seconds. What is the time period and frequency of its oscillation?
17. We have learnt that vibration is necessary for producing sound. Explain why the sound produced by every vibrating body cannot be heard by us?

23. An alarm bell is kept inside a vessel as shown in Fig. 13.1. A person standing close to it can distinctly hear the sound of alarm. Now if the air inside the vessel is removed completely how will the loudness of alarm get affected for the same person?

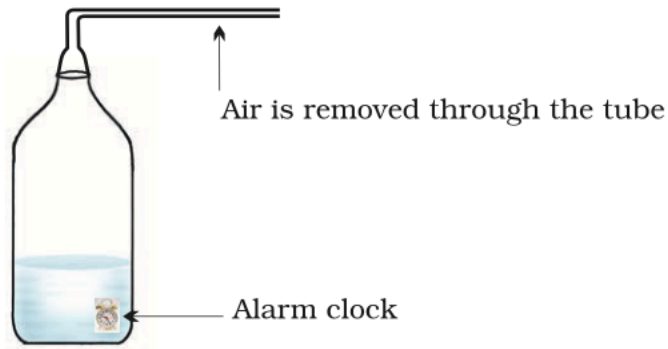


Fig. 13.1

VERY SHORT ANSWER QUESTIONS

11. State whether the following are True or False.

- (a) Earthquakes occur all the time all over the world.
- (b) The plates of the outermost layer of the earth are always in continuous motion.
- (c) Tremors on the earth can also be caused by the eruption of a volcano.
- (d) The process of electric discharge cannot occur between clouds and the earth.
- (e) Bathing outdoors should be avoided during thunderstorm.

12. Is it possible to predict the occurrence of an earthquake?

20. You might have observed on a dry day that when you touch the screen of a television or computer monitor (with picture tube), you get a slight shock. Why does it happen?
21. Explain how does lightning conductor protects a building from getting struck by lightning.
22. In an electroscope if a negatively charged body is brought in contact with the metal clip, the strips of the electroscope diverge. If now another charged object carrying equal amount of positive charge is brought in contact with the clip, what will happen?

17. If air and cloud were good conductors of electricity, do you think lightning could occur? Explain.
18. Identify the lightning conductor and the copper plate in Fig. 15.2.

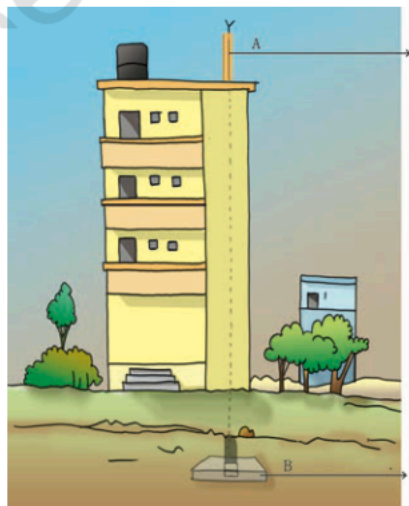


Fig. 15.2

LONG ANSWER QUESTIONS

27. What precautions would you take if lightning occurs while you are outside the house?

22. How is sound produced and how is it transmitted and heard by us?

22. Name the hormone which would be released during the following situations:

- (a) a frightened person.
- (b) growth of a child to adult.
- (c) development of caterpillar to moth.
- (d) development of tadpole to frog.