

Class 8 Science Quiz

1. What is the range of frequencies humans can hear? Why is it limited?
2. Define puberty and explain the changes associated with it.
3. Discuss the importance of education about adolescence in schools.
4. How does the structure of a seed support the process of germination?
5. Describe how organisms like earthworms reproduce without the presence of distinct male and female organisms.
6. What is the role of the pituitary gland during puberty?
7. What is the role of the fallopian tube in the human reproductive system?
8. Describe the role of the larynx in producing sound in humans.
9. How do hormones like testosterone and estrogen influence secondary sexual characteristics?
10. Explain the physical and emotional changes that occur during adolescence.
11. Why do we hear echoes in large empty spaces but not in small rooms?
12. Describe the process of pollination and its types.
13. How is budding in hydra different from binary fission in amoeba?
14. Explain how sonar technology uses sound waves for navigation and mapping.
15. If the speed of sound in air is 343 m/s, calculate the wavelength of a sound wave of frequency 256 Hz.
16. How does the endocrine system control the process of growth and development in teenagers?
17. What is the relationship between the frequency and pitch of a sound?
18. Why is external fertilization more common in aquatic organisms?
19. Explain the significance of a balanced diet during adolescence.

20. Differentiate between asexual and sexual reproduction with examples.
21. Why is adolescence considered a crucial phase for human development?
22. A tuning fork vibrates at 512 Hz. If the speed of sound in air is 340 m/s, calculate the wavelength.
23. Explain why the zygote is considered a single cell but develops into a multicellular organism.
24. Discuss the significance of personal hygiene during adolescence.
25. Why is the menstrual cycle important for reproduction?
26. Explain the role of hormones in the process of human reproduction.
27. What is the function of the placenta in mammals?
28. Why do solids transmit sound faster than liquids or gases?
29. Define the term 'reverberation' and explain how it affects the acoustics of an auditorium.
30. Explain why sound cannot travel through a vacuum.