

Waves, Sound, and Light Unit

Study Guide Answers

1. energy
2. sound and ocean waves
3. light and radiowaves
4. compression
5. rarefaction
6. amplitude
7. frequency
8. wavelength
9. wave speed
10. Hertz
11. echo
12. the wave bends
13. sound waves bend
14. ultrasonic
15. how loud the sound is
16. listening to loud noises over a long period of time

17. A person can observe the Doppler effect by standing outside while a car honking its horn passes them .

18. a random sound without rhythm

19. 300,000,000 m/s

20. wavelength

21. microwaves

22. visible light

23. radiowaves

24. infrared

25. gamma rays

26. ultraviolet

27. xrays

28. ultraviolet

29. transmission

30. transparent

31. translucent



32. opaque

33. pigment

1. Identify the name of the wave shown below:

Transverse

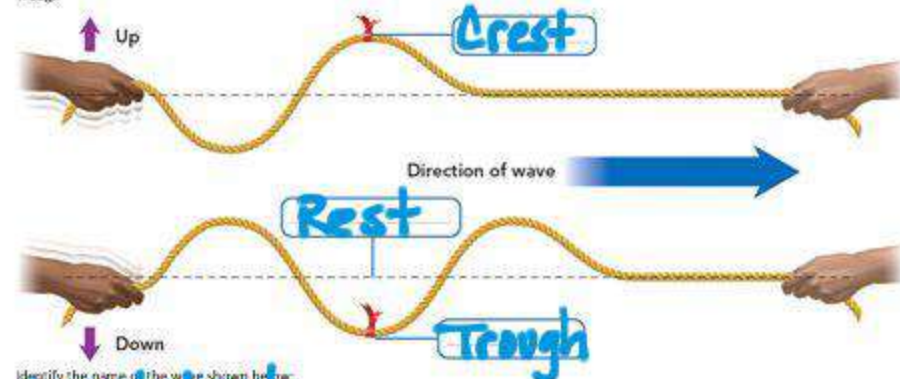
Label the parts of the wave.

Word Bank

Rest position

Crest

Trough



Identify the name of the wave shown below:

Longitudinal

2. Label the parts of the wave.

Word Bank

Rarefaction

Compression

