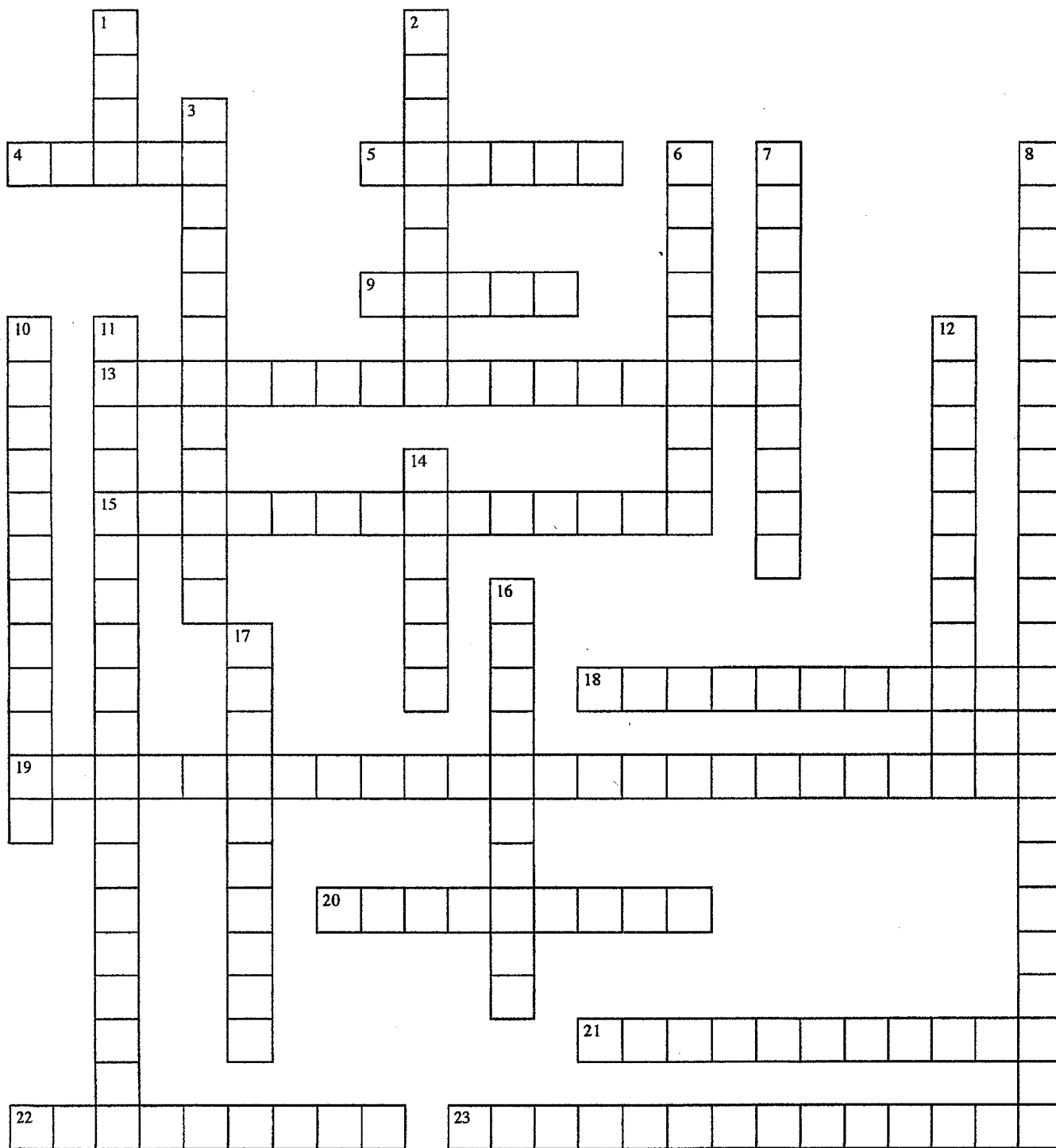


# Wave Crossword



## ACROSS

- 4 The highest point of a transverse wave
- 5 A substance through which a wave can travel
- 9 The unit used to express frequency
- 13 A wave in which the particles of the medium vibrate back and forth along the path that the wave travels

## DOWN

- 1 A disturbance that transmits energy through matter or space
- 2 The speed at which a wave travels
- 3 A wave that forms a stationary pattern in which portions of the wave do not move and other portions move with a large amplitude
- 6 What occurs when an object vibrating at or

- 15** A wave in which the particles of the wave's medium vibrate perpendicular to the direction the wave is traveling
- 18** A region of high density in a wave
- 19** Interference that results in a wave that has a greater amplitude than that of the individual waves
- 20** The maximum distance a wave vibrates from its rest position
- 21** A region of low density in a wave
- 22** The number of waves produced in a given amount of time
- 23** A wave that requires a medium

- near a resonant frequency of a second object causes the second object to vibrate
- 7** The distance between one point on a wave and the corresponding point on an adjacent wave
- 8** Interference that results in a wave that has a smaller amplitude than that of the individual waves
- 10** An interaction that occurs when two or more waves overlap
- 11** A wave that does not require a medium
- 12** The bending of a wave around a barrier or an opening
- 14** The lowest point of a transverse wave
- 16** The bouncing back of a wave after it strikes a barrier or an object
- 17** The bending of a wave as it passes at an angle from one medium to another