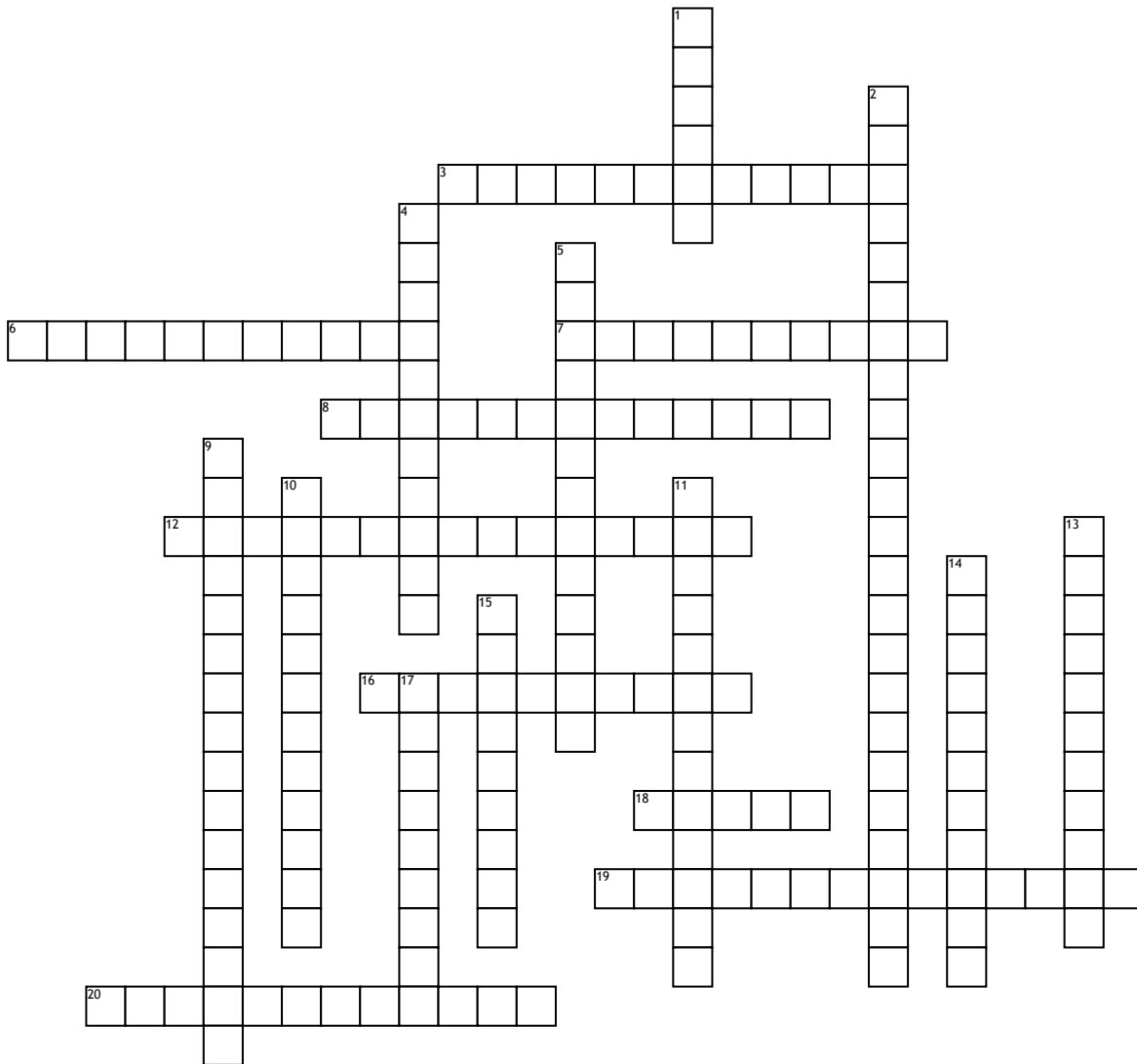


## Waves crossword puzzle



### Across

- 3.** Addition of two or more waves when wave crest overlap to produce a resulting wave
- 6.** Bending of a wave around a barrier, such as an obstacle or the edges of an opening
- 7.** The bouncing back of a particle or a wave that strikes the boundary between two medias
- 8.** When two waves meet they overlap and interact
- 12.** The angle of incidence for a wave that strikes surface is equal to the angle of reflection. This is true for both partially and totally reflected waves

- 16.** Distance from the top of one crest to the top of the next one.
- 18.** The unit of frequency.
- 19.** A wave with vibration at right angles to the direction the wave is traveling
- 20.** A pattern formed by the overlapping of two or more waves that arrive in a region at the same time.

### Down

- 1.** absorb light without remission and thus allow no light through them
- 2.** A continuous range of waves
- 4.** Term applied to materials that allow light to pass through them in straight lines
- 5.** Back and fourth vibration motion

- 9.** two different, but closely related waves

- 10.** The aligning of vibrations in a transverse wave, usually by filtering out waves of other directions
- 11.** A wave in which vibration is in the same direction as that in which the wave is traveling, rather than to right angles to it.
- 13.** Comination of waves where crests of one wave overlap troughs of another; resulting in a wave of decreased amplitude
- 14.** Allowing light, but not detailed images, to pass through
- 15.** How often a vibration occurs.
- 17.** Distance from the midpoint of the crest of wave