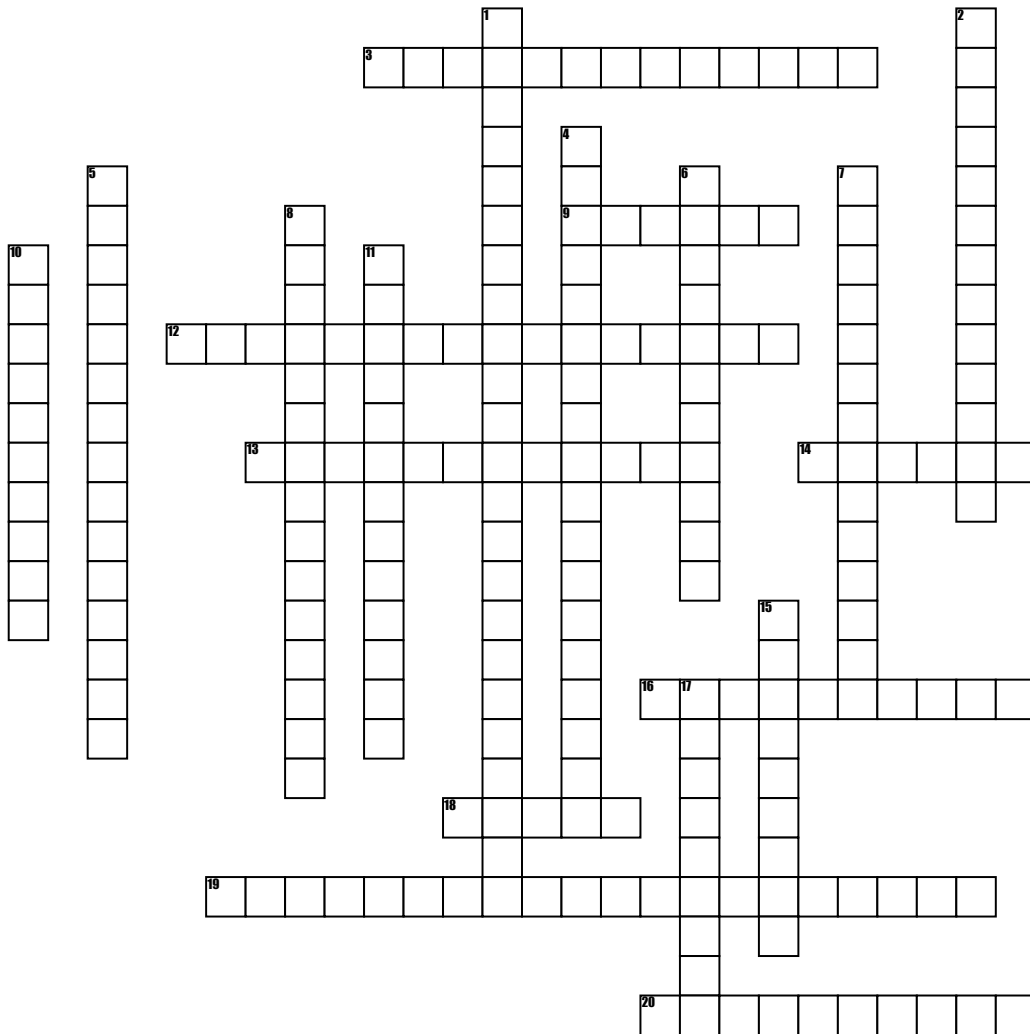


# alysa's crossword



**Across**

- 3. energy stored in the nucleus of an atom
- 9. waves that do not need matter
- 12. sum of potential and kinetic energy
- 13. part of the electromagnetic spectrum we can see
- 14. lowest point of a wave
- 16. distance between crests of a wave
- 18. highest point of a wave

19. waves that do not need matter to move through space

20. waves can bend called

**Down**

- 1. what is the range of frequencies and their wavelengths and photon energies
- 2. energy that is in the form of heat
- 4. waves where the medium moves back and forth
- 5. what type of energy is used when not in motion

6. the bending of waves around an object

7. wave where the medium moves at a right angle

8. wave that must have a medium to move

10. when waves bounce off a surface

11. what type of energy is used when in motion

15. number of occurrences of repeating event through a period of time is a

17. height of a wave

**Word Bank**

- |                          |                     |                       |                   |
|--------------------------|---------------------|-----------------------|-------------------|
| electromagnetic spectrum | reflection          | refraction            | potential energy  |
| wave length              | nuclear energy      | kinetic energy        | thermal energy    |
| amplitude                | compressional waves | frequency             | visible light     |
| trough                   | crest               | diffraction           | mechanical energy |
| transverse wave          | mechanical waves    | electromagnetic waves | medium            |