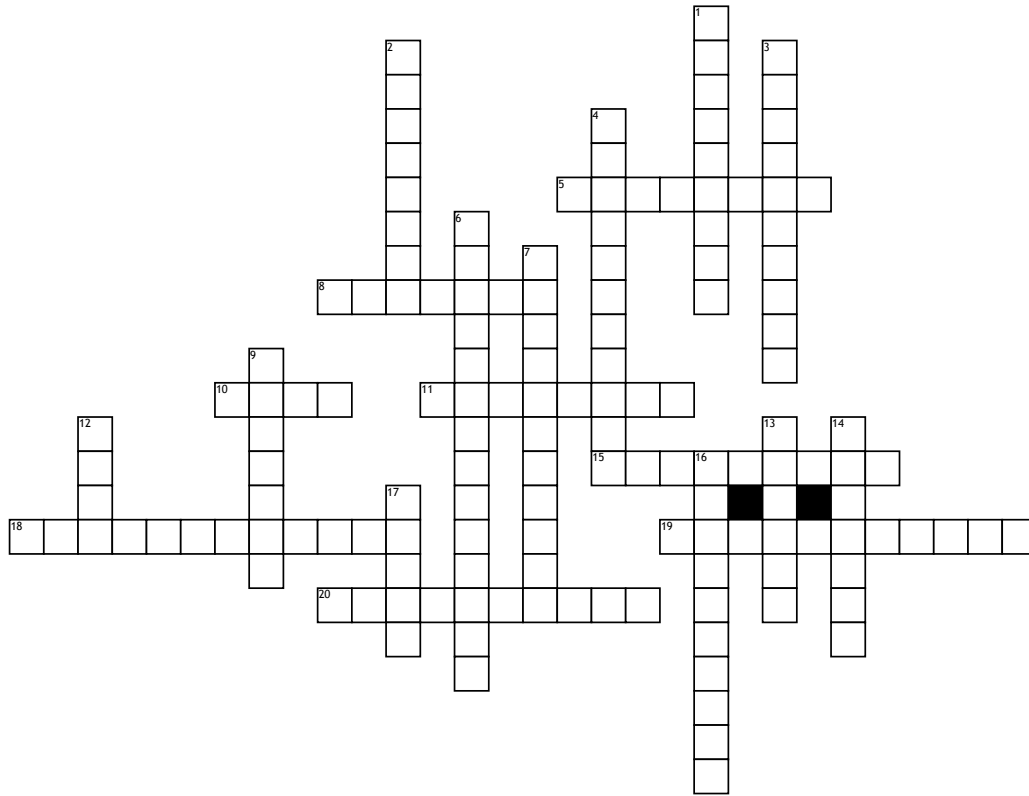


# Wave Energy



**Across**

- 5. Inverted- \_\_\_\_\_ device
- 8. Wave energy power plants can potentially provide a storm surge \_\_\_\_\_
- 10. An overtopping \_\_\_\_\_ allows the waves to easily crest an overtopping reservoir
- 11. May decrease the \_\_\_\_\_ in tidal basins
- 15. A hydraulic motor \_\_\_\_\_ is used in an inverted pendulum
- 18. The type of turbine used in an overtopping reservoir

- 19. These are placed perpendicular to waves to capture wave energy
- 20. The capture of energy of wind waves to do work

**Down**

- 1. A \_\_\_\_\_ pump is used in an inverted pendulum
- 2. These use a buoy to extract wave energy
- 3. One wave energy power plant can last for \_\_\_\_\_ years
- 4. This technology uses a hydro turbine to capture wave energy
- 6. Many of these are used to form large wave power plants

- 7. What type of output does wave energy have?
- 9. A \_\_\_\_\_ chamber is a major part of oscillation water columns
- 12. The source of energy for waves is the \_\_\_\_\_
- 13. Monsieur Girard and his son were given the first of these for wave energy
- 14. Oscillation water \_\_\_\_\_
- 16. These must withstand harsh environments
- 17. A \_\_\_\_\_ plate is part of an absorber

**Word Bank**

- |             |                 |             |             |             |
|-------------|-----------------|-------------|-------------|-------------|
| one hundred | hydro turbine   | Absorber    | Salinity    | Capture     |
| Hydraulic   | Point Absorbers | Generator   | wave energy | ramp        |
| Heave       | Columns         | Attenuators | pendulum    | Predictable |
| Extractors  | Barrier         | Wind        | Patent      | Overtopping |