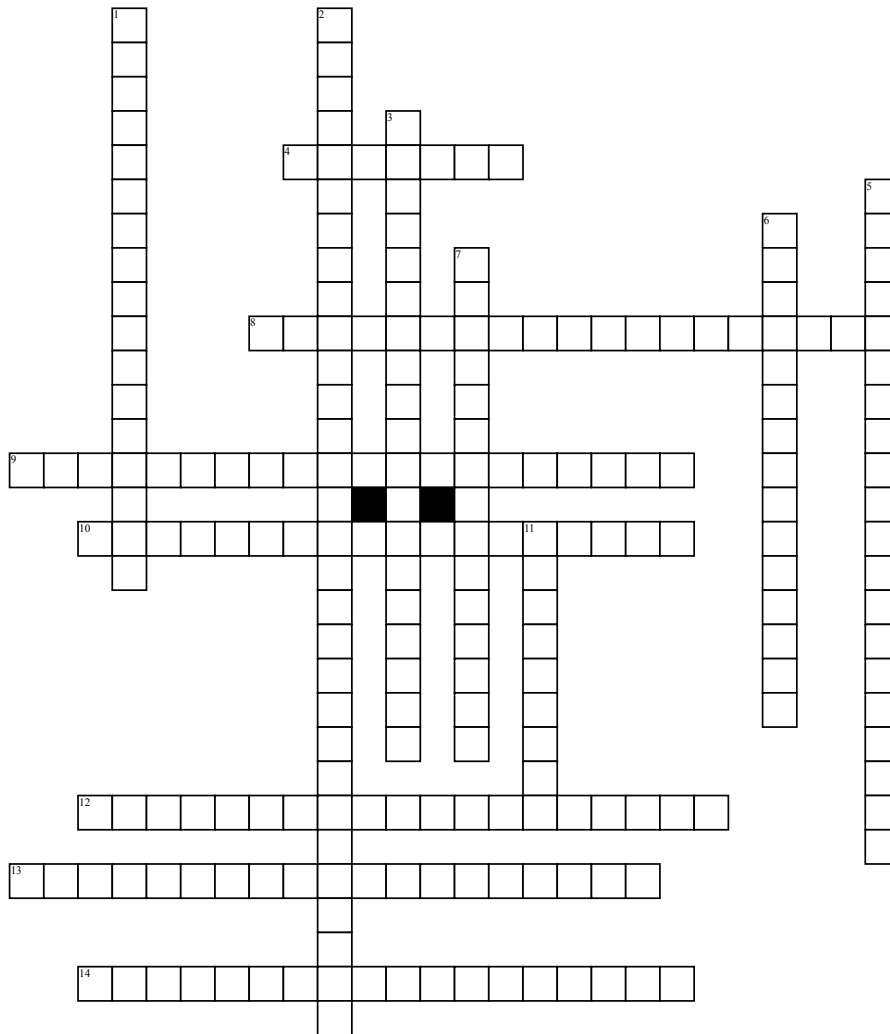


# Ace Mentor Vocab



**Across**

- 4. A structural part that supports weight, such as a wall that supports a beam.
- 8. Form of concrete used in construction which is "pre-stressed"
- 9. is a type of building and a construction technique using concrete.
- 10. A framed roof made out of Concrete
- 12. Defined by patterning a layer of material on a conducting silicon wafer substrate.

- 13. Building stone such as marble, granite, etc.
- 14. Branch of civil engineering that deals with large modern buildings and similar structures.

**Down**

- 1. When air is displaced from the pores between the soil grains.
- 2. Central command and control facility responsible for carrying out the principles of emergency preparedness and emergency management.

- 3. a construction product produced by casting concrete in a reusable mold or "form".
- 5. Branch of civil engineering concerned with the engineering behavior of earth materials.
- 6. Ground improvement technique that can be used to transfer structural loads to suitable levels in poor ground conditions.
- 7. A framed rood made out of steel
- 11. a device for varying the effective aperture of the lens in a camera or other optical system.

**Word Bank**

- |                       |                                   |                        |
|-----------------------|-----------------------------------|------------------------|
| Pre-cast construction | EOC (Emergency Operations Center) | Masonry construction   |
| Vibro-compaction      | Structural Engineer               | Concrete framed roof   |
| Diaphragm             | Geotechnical Engineer             | Steel framed roof      |
| Soil densification    | Prestressed concrete              | Tilt-wall construction |
| Bearing               | Sacrificial membrane              |                        |