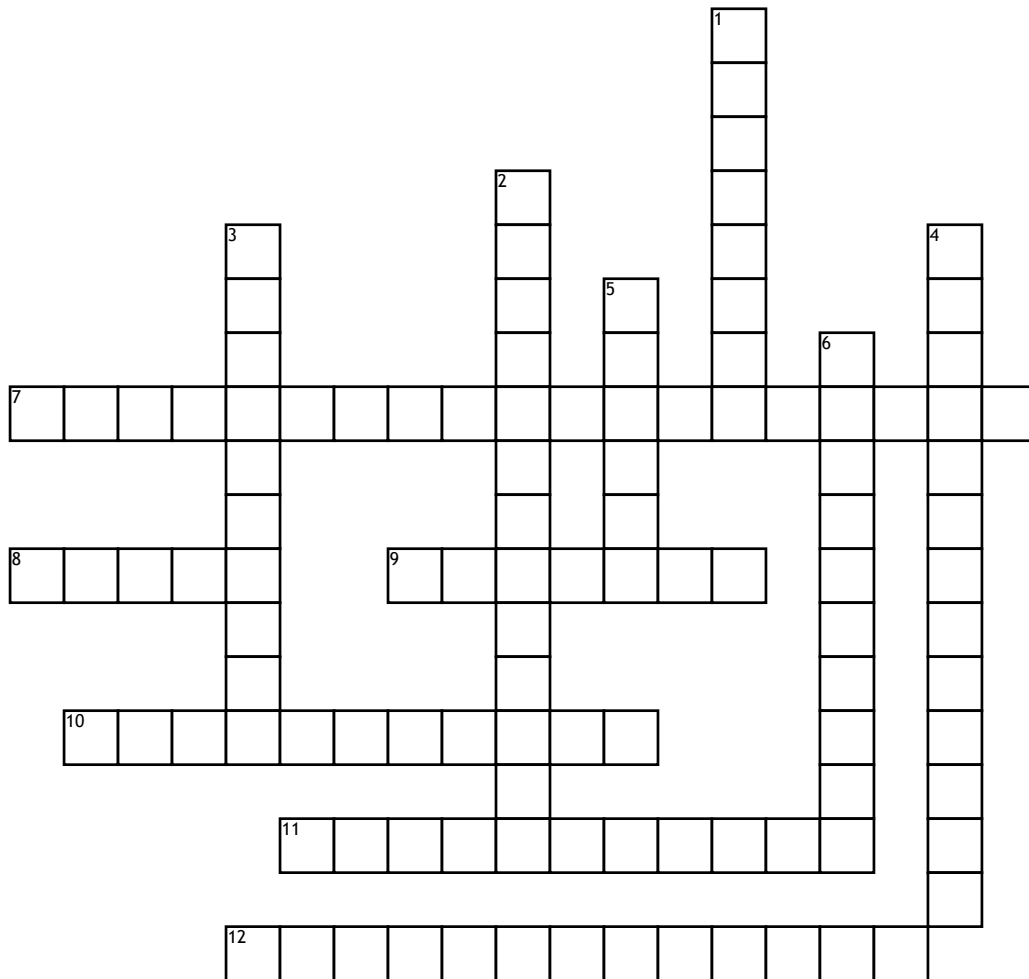


Chapter 3: Aesthetics



Across

7. Concrete using metal rods and wires under stress or tension to cause structural forces to flow in predetermined directions.
 8. The relationship of the size of a building to the human form.
 9. The environment surrounding a work of architecture.
 10. A system of architectural structure in which the walls support themselves.

Word Bank

Tunnel Vault
 Post and Lintel
 Bearing Wall
 Ferroconcrete

11. Arches placed back to back to enclose space.

12. Concrete cast in place with metal reinforcement embedded in the concrete.

Down

1. The basic purpose of a building.
 2. A system of architectural structure in which a framework supports the building and the walls are attached to the frame.

Skeleton Frame
 Cantilever
 Arcade
 Scale

3. An overhanging beam or floor supported at only one end.

4. An architectural structure consisting of horizontal beams laid across open spaces between vertical supports.

5. Several arches placed side by side.

6. Tunnel vaults meeting at right angles.

Function
 Groin Vault
 Context
 Prestressed Concrete