

Civil Engineering Basics

Civil Engineering · Answer Key · 15 Questions

1. Which structure is built primarily to help people or vehicles cross over a body of water or a gap?

- A) Tunnel
- B) Bridge**
- C) Dam
- D) Skyscraper

2. What is the name of the machine used to lift very heavy materials high into the air during the construction of a building?

- A) Bulldozer
- B) Crane**
- C) Excavator
- D) Tractor

3. What do civil engineers build to hold back water in a river to create a lake or generate electricity?

- A) Dam**
- B) Road
- C) Bridge
- D) Pipeline

4. What is the main material used to make concrete, which is a very strong building block for sidewalks and roads?

- A) Silk
- B) Plastic
- C) Cement**
- D) Cotton

5. What structure do civil engineers build underground to allow cars or trains to pass through a mountain?

- A) Viaduct
- B) Tunnel**
- C) Tower
- D) Pier

6. What is the purpose of an aqueduct?

- A) To grow food
- B) To carry water**
- C) To generate wind
- D) To hide trash

7. Which part of a building is built deep into the ground to keep it stable and strong?

- A) Roof
- B) Chimney
- C) Foundation**
- D) Balcony

8. What do civil engineers use to keep the traffic moving safely on roads?

- A) Traffic lights**
- B) Grass
- C) Flowers
- D) Fences

9. What is a long, hard surface built by civil engineers to connect two different towns or cities?

- A) Highway**
- B) Ladder
- C) Fence
- D) Canoe

10. What is the main purpose of a skyscraper?

- A) To store water
- B) To grow trees
- C) To provide space for people to live or work**
- D) To fly in the sky

11. What is used to make roads smooth and black?

- A) Asphalt**
- B) Sand
- C) Wood
- D) Ice

12. What do engineers build to safely transport sewage or rainwater away from cities?

- A) Gardens
- B) Drainage pipes**
- C) Playgrounds
- D) Sunshades

13. What is a harbor mainly designed for?

- A) Landing airplanes
- B) Sheltering ships**
- C) Growing crops
- D) Parking buses

14. Which type of engineer is responsible for designing the systems that provide clean water to houses?

- A) Civil Engineer**
- B) Artist
- C) Chef
- D) Teacher

15. What do civil engineers often draw before they start building a structure?

- A) Blueprints**
- B) Paintings
- C) Songs
- D) Poems