

Civil Engineering for Little Builders

Civil Engineering · Practice Test · 10 Questions

1. Which shape is used in bridge design to distribute weight effectively because it does not have corners that can easily break?

- A) Square
- B) Triangle
- C) Rectangle
- D) Trapezoid

2. What is the main material used in 'reinforced concrete' to give it extra strength against pulling forces?

- A) Steel bars
- B) Plastic straws
- C) Cotton rope
- D) Wood sticks

3. What do civil engineers call the part of a building that sits underground and keeps the structure from sinking?

- A) The Roof
- B) The Foundation
- C) The Window
- D) The Chimney

4. Which type of bridge uses heavy cables attached to tall towers to hold up the road?

- A) Arch bridge
- B) Beam bridge
- C) Suspension bridge
- D) Pontoon bridge

5. What do civil engineers build to help water travel from a reservoir to people's homes?

- A) Aqueducts
- B) Tunnels
- C) Elevators
- D) Escalators

6. What is the name of the tall, heavy structure built to hold back water in a river?

- A) Dam
- B) Wall
- C) Fence
- D) Pier

7. Which material is commonly used to pave roads because it is strong and can be poured while hot?

- A) Glass
- B) Asphalt
- C) Sand
- D) Paper

8. What do engineers use to measure how flat or level a surface is?

- A) A magnifying glass
- B) A spirit level
- C) A thermometer
- D) A scale

9. What is a 'geotechnical engineer' mainly responsible for studying?

- A) The clouds
- B) The stars
- C) The soil and rocks
- D) The ocean waves

10. Which machine is most commonly used by civil engineers to lift heavy materials to the top of skyscrapers?

- A) Tower crane
- B) Bicycle
- C) Motorcycle
- D) Lawn mower