

Exploring Civil Engineering Concepts

Civil Engineering · Answer Key · 20 Questions

1. What is the main job of a civil engineer?

- A) To design and build roads, bridges, and buildings.**
- B) To fly airplanes and spacecraft.
- C) To write computer programs and apps.
- D) To create new medicines and vaccines.

2. What strong material is often used to build bridges and buildings because it can withstand a lot of weight?

- A) Concrete**
- B) Paper
- C) Feathers
- D) Cotton

3. What do we call a large, strong structure built over a river or road to allow people or vehicles to cross?

- A) A bridge**
- B) A tent
- C) A bicycle
- D) A slide

4. What is the smooth, hard surface that cars and buses drive on?

- A) A road**
- B) A carpet
- C) A swimming pool
- D) A cloud

5. Which of these is a place where water is stored and controlled, often built by civil engineers?

- A) A dam**
- B) A slide
- C) A treehouse
- D) A kite

6. What part of a city provides clean water to homes and buildings?

- A) Water pipes**
- B) Straws
- C) Hoses
- D) Buckets

7. What is a tall structure built to hold and direct ships at sea called?

- A) A lighthouse**
- B) A flagpole
- C) A scarecrow
- D) A weather vane

8. What do civil engineers use to make sure buildings are safe and won't fall down?

- A) Strong foundations and supports**
- B) Balloons
- C) String
- D) Jelly

9. What is the purpose of a tunnel?

- A) To go through a mountain or under a river.**
- B) To catch butterflies.
- C) To make a playground swing.
- D) To store toys.

10. What is the name for the systems that help a city run, like roads, water, and electricity?

- A) Infrastructure**
- B) Decoration
- C) Entertainment
- D) Games

11. What type of engineer designs and builds structures that are underground, like subways or sewers?

- A) Civil engineer**
- B) Aerospace engineer
- C) Software engineer
- D) Mechanical engineer

12. What is a flat, paved area for airplanes to take off and land called?

- A) A runway**
- B) A road
- C) A sidewalk
- D) A park

13. What material is often used to make roads smooth and black?

A) Asphalt

- B) Sand
- C) Grass
- D) Snow

14. What is the main function of a sewage system?

A) To carry away waste water from homes.

- B) To deliver mail.
- C) To provide fresh air.
- D) To grow plants.

15. Which of these is a common place for civil engineers to work on projects?

A) A construction site

- B) A classroom
- C) A doctor's office
- D) A library

16. What do we call a structure built to hold back water, often to create a lake?

A) A dam

- B) A fence
- C) A wall
- D) A bridge

17. What is the purpose of a skyscraper?

A) To build very tall buildings for people to live and work in.

- B) To fly kites.
- C) To grow tall trees.
- D) To store large amounts of water.

18. What do civil engineers plan for when building new roads and bridges?

A) How people and vehicles will use them.

- B) What colour they should be painted.
- C) How many birds will sit on them.
- D) How to make them smell nice.

19. What is a structure that carries water from one place to another, often through underground pipes?

A) An aqueduct

- B) A slide
- C) A swing
- D) A trampoline

20. What essential service does a power grid provide?

A) Electricity

B) Clean air

C) Fresh water

D) Food