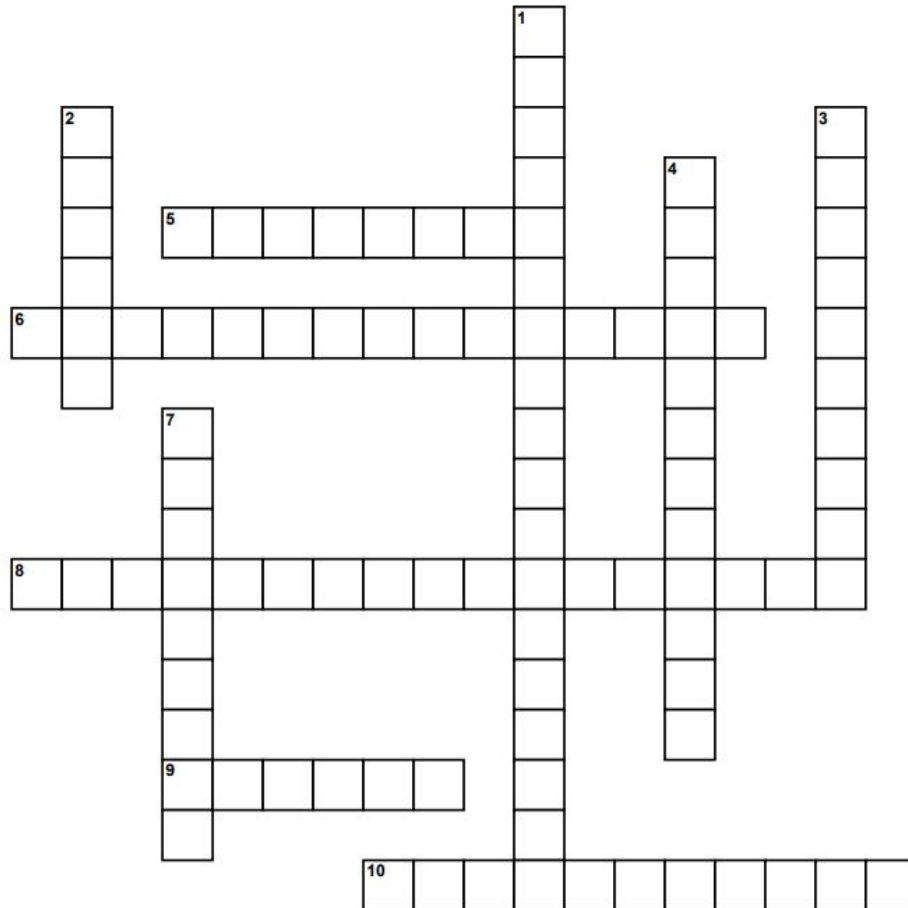


LAYOUTS

30.1. Vocabulary

Ex. 1. Solve the crossword puzzle.



Across

[5] To dig out and remove earth to create space for construction or to uncover something buried.

[6] To stretch a string tightly between two points to create a straight reference line for alignment.

[8] The design or arrangement of structures or systems located below the surface of the ground.

[9] A long, narrow excavation in the ground, often used for installing pipes or cables.

[10] Temporary wooden frameworks used to mark the outline of a building or structure on the ground.

Down

[1] The design or arrangement of structures or elements that are located above the surface of the ground.

[2] The arrangement or plan of elements within a particular space or structure.

[3] The plan or arrangement of walls within a building or structure.

[4] The plan or design for how trenches will be dug and arranged on a construction site.

[7] The planned path or course that pipes will follow in a construction project

Ex. 2. Complete the sentences with the words in Ex. 1.

1. The _____ must be carefully planned to avoid existing utilities.
2. We used _____ to mark the corners of the building.
3. The _____ was adjusted to accommodate the new design.
4. It's important to _____ carefully to prevent damage to underground cables.
5. The _____ includes pathways and garden areas.
6. Workers _____ to ensure the fence is straight.
7. The _____ requires precise measurements for the foundation.
8. The _____ was modified to include additional windows.
9. After planning, we began to _____ the site for the new basement.
10. The _____ was dug according to the specifications in the _____.

30.2. Reading

Ex. 1. Read the text.

In construction projects, both above-ground and underground layouts are crucial for successful completion. The above-ground layout includes elements like pathways, gardens, and building structures, while the underground layout focuses on foundations and utilities. Before construction begins, batter boards are used to mark the boundaries and corners of the site.

To ensure accuracy, workers often pull a string line, which helps maintain straight lines for fences and walls. When planning the pipe route, it's essential to avoid existing utilities, which is why a detailed trench layout

is created. Once the plan is finalized, excavation begins. Workers excavate carefully to avoid damaging underground cables or pipes.

The wall layout is also a key consideration, as it affects the overall design and functionality of the building. By meticulously planning each aspect, construction teams can ensure a safe and efficient building process.

Ex. 2. *Answer the questions.*

1. What are the two main types of layouts mentioned in construction projects?
2. What is the purpose of using batter boards in construction?
3. How does pulling a string line help during construction?
4. Why is it important to plan a detailed trench layout?
5. What should workers be careful of when they excavate?
6. How does the wall layout impact a construction project?
7. What elements are included in the above-ground layout?

30.3. Communication

Ex. 1. *Make sentences using the following words.*

1. living/room/layout
2. furniture/bedroom/rearrange
3. office/collaboration/layout
4. kitchen/cooking/easy
5. changing/bathroom/layout
6. store/designed/customers
7. classroom/learning/conducive
8. open/floor/modern
9. website/user/experience
10. hotel/separate/seating

30.4. Writing

Ex. 1. *Make a social media post discussing the benefits of using a trench layout for plumbing projects, highlighting the efficiency and precision it offers compared to other methods.*