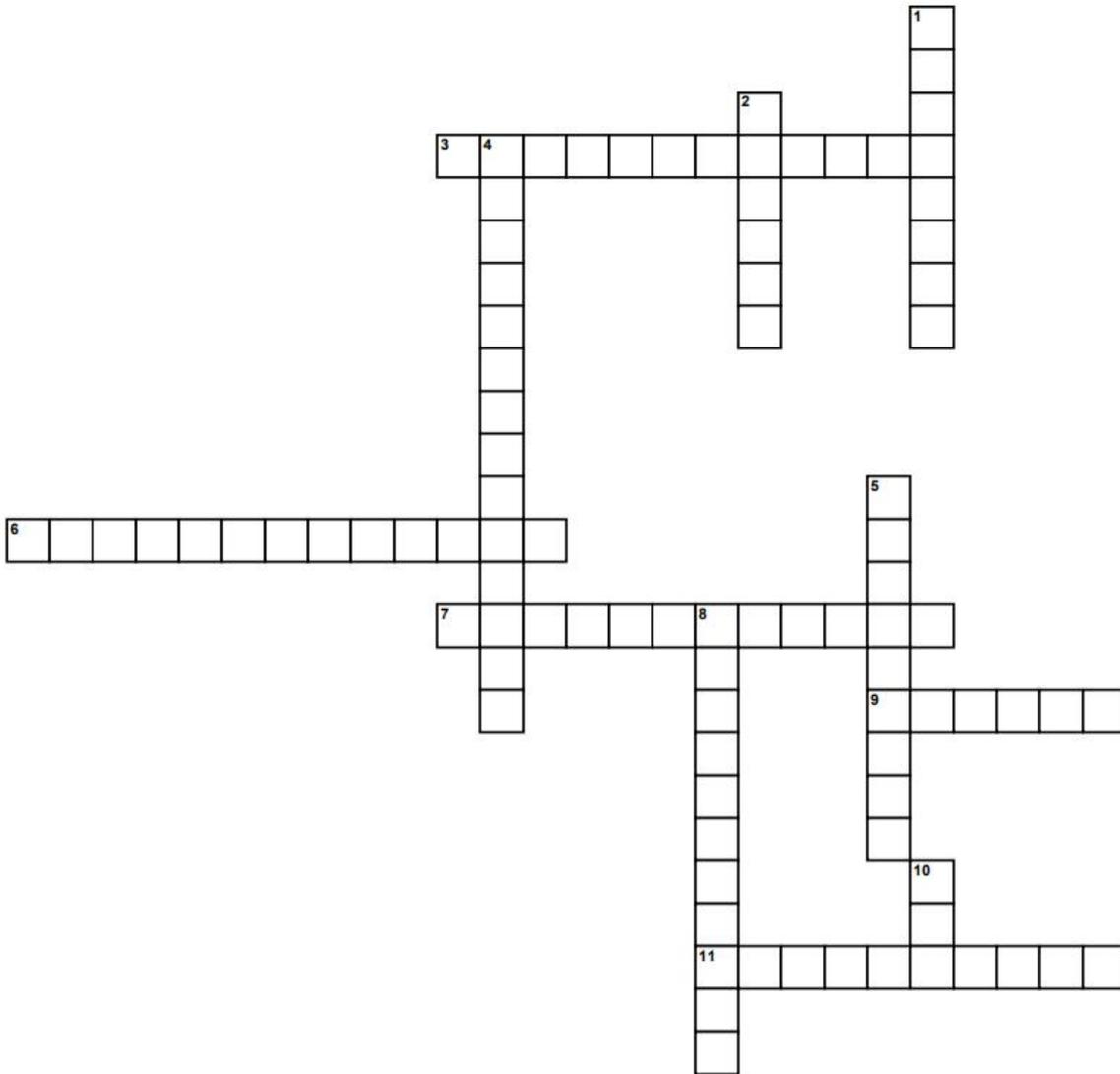


BLUEPRINTS: READING

26.1. Vocabulary

Ex. 1. Solve the crossword puzzle.



Across

[3] A shortened form of a word or phrase.

[6] A method of visually representing three-dimensional objects in two dimensions, where the three axes appear equally foreshortened.

[7] An arrangement of pipes used to convey fluids (liquids and gases) from one location to another.

[9] A critical assessment or examination of something with the possibility of making changes.

[11] To explain or make something clear by using examples, pictures, or diagrams.

Down

[1] A drawing or diagram viewed from above, showing the layout of a structure or object.

[2] A line made up of short, broken segments.

[4] A view from above, as if seen by a bird in flight, showing a broad perspective.

[5] A detailed plan or drawing that outlines the design of a structure or object.

[8] A drawing that shows a cut-through view of a structure or object, revealing internal features.

[10] A small, round mark or point.

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

1. An _____ is often used in blueprints to save space and convey information quickly.
2. A _____ view of the construction site helps in understanding the overall layout.
3. The _____ provides a detailed plan for building the new office complex.
4. _____ lines on the blueprint indicate hidden elements or future additions.
5. Each _____ on the plan represents a specific measurement point.
6. Diagrams are used to _____ the complex piping system in the blueprint.
7. An _____ view is useful for visualizing the three-dimensional aspects of a design.
8. The _____ layout is crucial for ensuring proper water flow throughout the building.
9. In the _____ view, you can see the arrangement of rooms and hallways.

10. Engineers often _____ blueprints to ensure accuracy and compliance with regulations.
11. A _____ view helps to understand the internal structure of walls and floors.

26.2. Reading

Ex. 1. Read the text.

Reading blueprints is a crucial skill in construction and engineering. A blueprint is a detailed plan that illustrates various aspects of a project, from the layout of a building to the intricacies of its piping system. Typically, a plan view offers a bird's-eye perspective of the structure, showing the arrangement of rooms and other elements. An isometric view helps visualize the three-dimensional aspects, providing a clearer understanding of the design.

Blueprints often use abbreviations and symbols to convey information efficiently. For example, dashed lines might indicate hidden elements or future additions, while dots can represent specific measurement points. Reviewing these plans is essential to ensure compliance with regulations and accuracy in construction.

Section views are particularly useful for examining the internal structure of walls and floors, revealing how different components fit together. By mastering blueprint reading, engineers and architects can effectively communicate their designs and ensure successful project execution.

Ex. 2. Answer the questions.

1. What is the purpose of a blueprint in construction?
2. How does a plan view assist in understanding a structure?
3. What does an isometric view provide in terms of design visualization?
4. Why are abbreviations and symbols used in blueprints?
5. What might dashed lines on a blueprint indicate?
6. Why is reviewing blueprints important?
7. How do section views help in understanding a structure?

26.3. Communication

Ex. 1. Make sentences using the following words.

1. read/blueprint/project
2. blueprints/attention/detail

3. important/understand/accurately
4. interpret/blueprints/know
5. reading/crucial/construction
6. architectural/tried/ever
7. blueprints/understanding/following
8. challenging/rewarding/Reading
9. practiced/before/have
10. precisely/success/essential

26.4. Writing

Ex. 1. Write a social media post explaining the importance of understanding blueprints in construction projects, using at least 3 target vocabulary words.