

PUMPS

42.1. Vocabulary

Ex. 1. Solve the crossword puzzle.

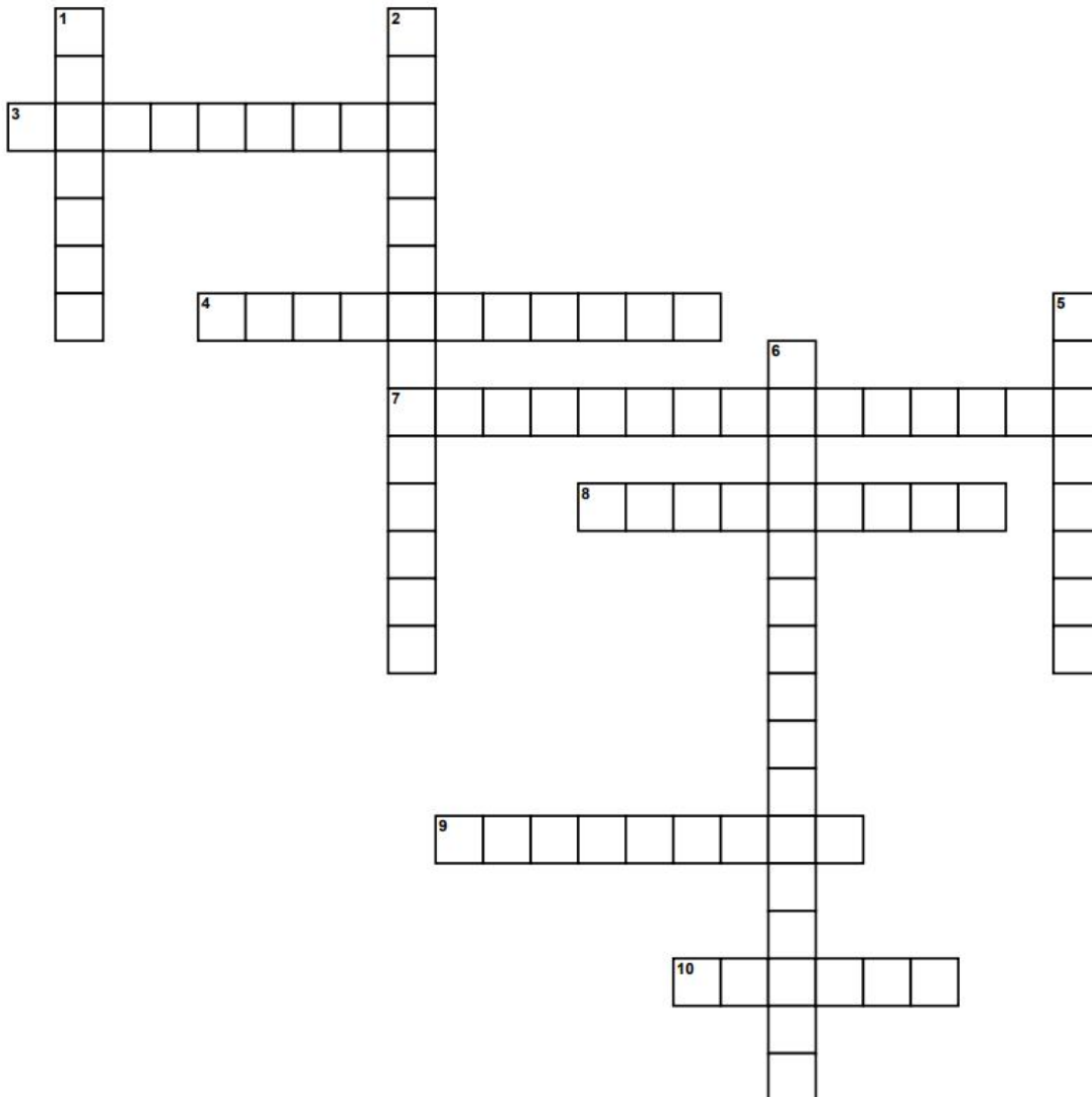
Across

[3] a building that holds and protects pumps and equipment.

[4] something that blocks or gets in the way of movement.

[7] a type of pump that works while being underwater.

[8] a part that stops water from going back down a pipe.



[9] the way things are lined up or arranged in a straight line.

[10] not working correctly or having problems.

Down

[1] blocked so that nothing can pass through.

[2] a device that turns on or off when it feels pressure changes.

[5] a piece inside a pump that helps move water around.

[6] a machine that moves water from the ground to above it.

Ex. 2. Complete the sentences with the given words.

pump house, plugged, pressure switch, alignment, impeller, faulty, obstruction, above-ground pump, submersible pump, foot valve

The _____ (1) helps to move water from the tank easily.

The _____ (2) spins fast to push the water out of the pump.

There is an _____ (3) in the pipe that is stopping the water flow.

The sink is _____ (4), so the water does not go down anymore.

The _____ (5) turns on the pump when the pressure gets too low.

The _____ (6) is where they keep all the big machines for water.

We need to check the _____ (7) of the pipes before we start.

My computer is not working because it has a _____ (8) part inside.

The _____ (9) stops water from going back into the well when it shuts off.

The _____ (10) works underwater to bring up the water from deep wells.

42.2. Reading

Ex. 1. Read the text.

In many residential and agricultural settings, people rely on different types of pumps to move water efficiently. An above-ground pump is often used for shallow wells, where it can be easily accessed for

maintenance. Proper alignment of the pump and motor is crucial to avoid wear and tear. If a pump is faulty, it might be due to a damaged impeller or an issue with the pressure switch.

In deeper wells, a submersible pump is usually the best option since it operates underwater, reducing noise and preventing exposure to the elements. Sometimes, an obstruction can block water flow, which might require investigating if the foot valve is plugged with debris.

Regular maintenance of the pump house ensures systems run smoothly. Identifying issues early—like a broken pressure switch or misaligned impeller—helps prevent bigger problems down the line. Both above-ground and submersible pumps have their specific advantages, making it essential to choose the right type for the task at hand.

Ex. 2. *Answer the questions.*

1. What are the differences between above-ground pumps and submersible pumps?
2. Why is proper alignment of the pump and motor crucial for above-ground pumps?
3. What are some common issues that can cause a faulty pump?
4. How does a submersible pump operate differently from an above-ground pump?
5. Why is regular maintenance important for pump systems?
6. What are some specific advantages of above-ground pumps?
7. When might investigating the foot valve be necessary in a pump system?

42.3. Communication

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

1. pressure switch/working/properly
2. alignment/check/pump
3. obstruction/foot valve
4. plugged/impeller/before
5. pump house/provide/protection
6. faulty/pump/replace
7. submersible pump/maintain/how
8. leaks/checked/pump

9. above-ground pump/easy/access

10.low water pressure/experienced/with