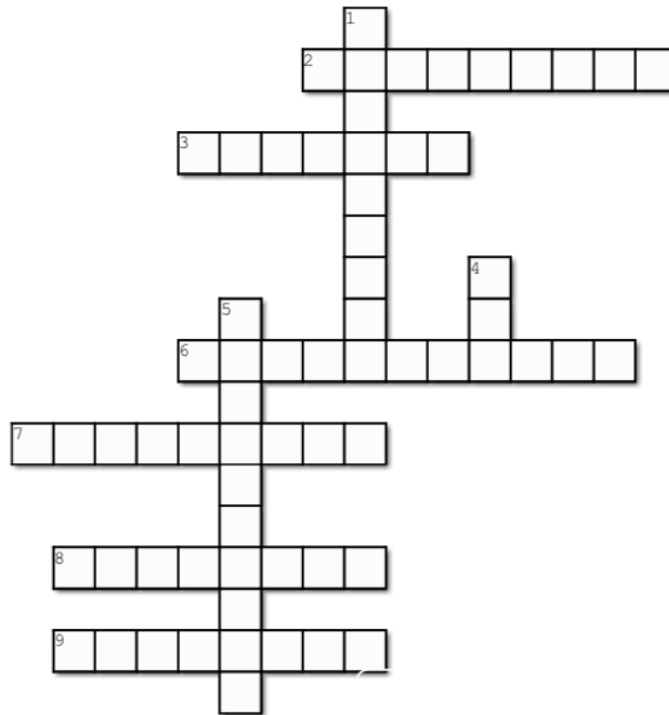


Name: \_\_\_\_\_

## Geothermal HVAC

In Geothermal HVAC systems, water is pumped underground to reach ambient temperature before being recirculated to reduce heating and cooling costs.



### Across

2. class of energy including solar, wind, hydro, and geothermal
3. surrounding conditions
6. location of pipe loop and reservoir
7. irregular rise and fall in temperature
8. non-changing, the amount of time geothermal is operating
9. Installation in an already developed location

### Down

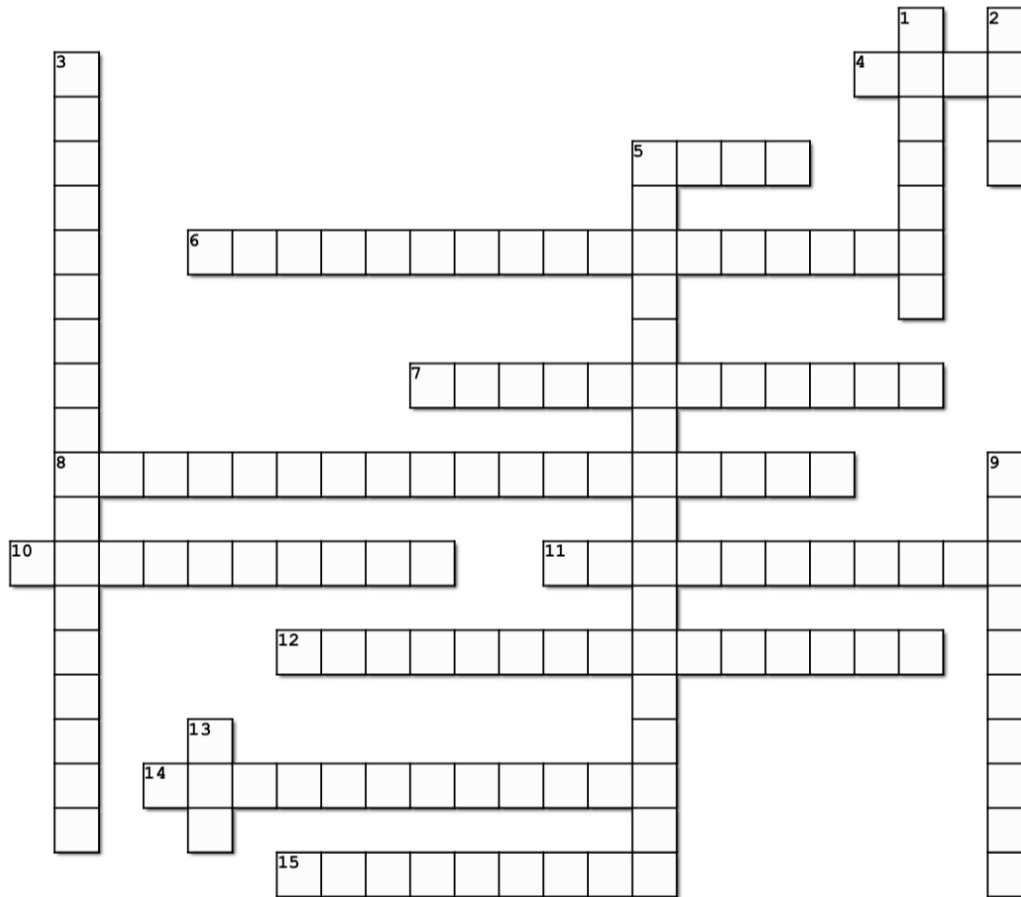
1. storage for water beneath the Earth's surface
4. Greek prefix relating to Earth
5. protection from change in temperature

# Save Energy

Name: \_\_\_\_\_

Complete the crossword puzzle below, then use the accompanied fact sheet to check your answers!

*Hint: Some answers include more than one word, and include spaces between words*



## Across

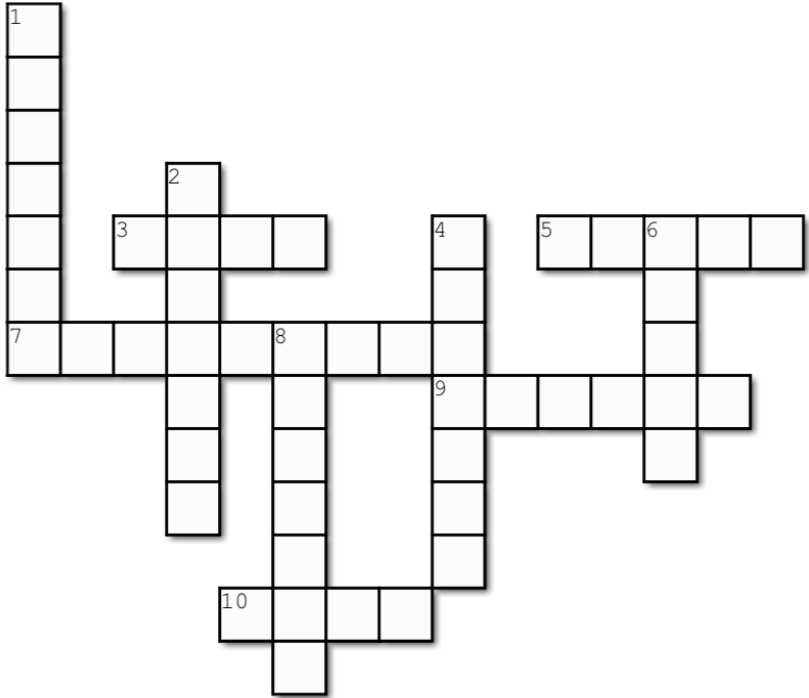
4. recommended temperature for long term food storage (1 word)
5. improve this to prevent air leakage (1 word)
6. these can be used to control outdoor weather influence from radiant heat(2 words)
7. reduce from 140° to 120° to save energy (2 words)
8. to set temperatures at various times of the day...(2 words)
10. use this when absent for less than 20 minutes (2 words)
11. government certification for energy efficient devices (2 words)
12. how to reduce lighting expenses by up to 40% (3 words)
14. clean coils and replace seals to maintain top efficiency (1 word)
15. clean this to increase efficiency and lower risk of fire (2 words)

## Down

1. method to improve freezer efficiency (1 word)
2. recommended temperature for washing clothes (1 word)
3. choose \_\_\_ wisely to avoid unnecessary costs in the kitchen (2 words)
5. shuts off automatically or by command when not in use (3 words)
9. prevents heat transfer between air conditioned space and attics (2 words)
13. requires less than 1/6 the energy of incandescent (1 word)

Name: \_\_\_\_\_

# Wind Energy



**Across**

- 3. the unit for power
- 5. the angle into the wind
- 7. a machine that converts one form of energy to another, i.e. mechanical energy to electrical energy
- 9. the part of the turbine that catches air current
- 10. moving air

**Down**

- 1. turning the blades away from the wind
- 2. holds and protects the generator
- 4. machine for collecting energy and converting energy for use as power
- 6. the part of the turbine that supports the nacelle
- 8. cross-sectional shape of a blade



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