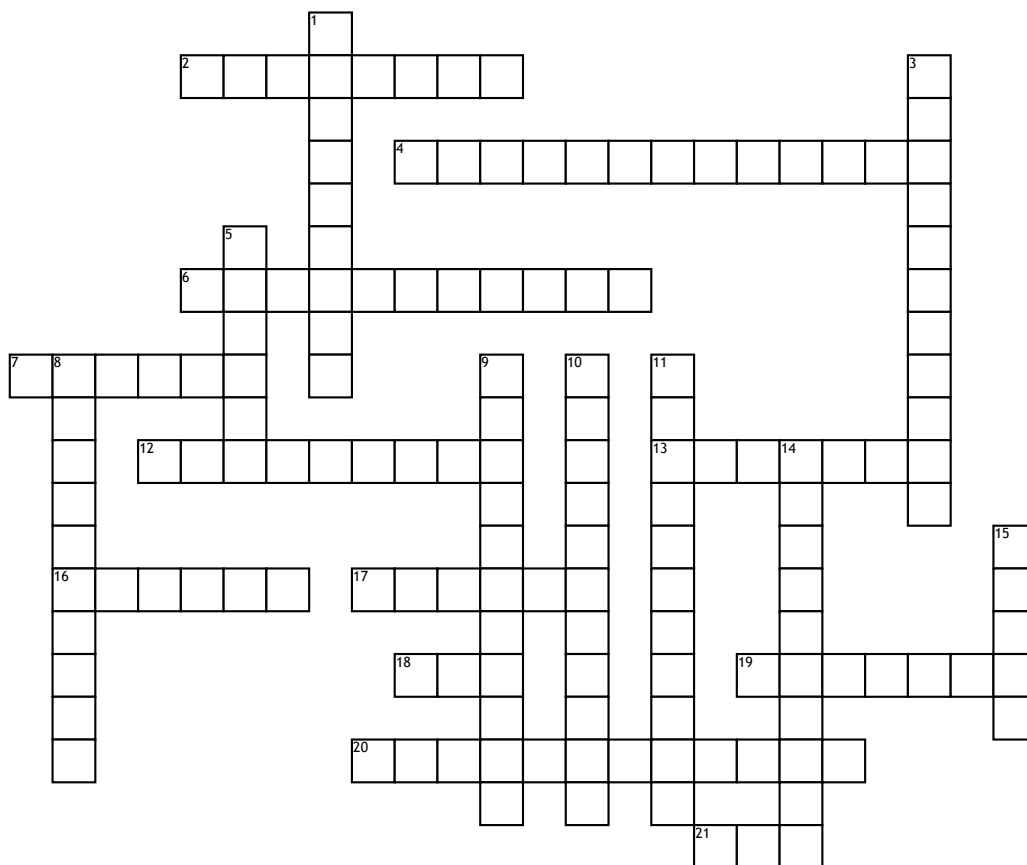


Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Solar Energy Crossword



## Across

2. What converts the direct current into an alternating current?  
 4. the rate at which radiant solar energy is received at the outer layer of the earth's atmosphere  
 6. What is the material that stores the sunlight during the day and releases it at night?  
 7. What type of currents do Photovoltaic (PV) solar panels create?  
 12. A resource that can be used multiple times and replaced naturally?  
 13. A solar panel is made up of what type of cell?

16. What uses mechanical or electronic creations to transform energy?  
 17. The largest solar power company in the United States  
 18. What incentive allows you to take off 30 percent of the cost of installing a solar system from your federal taxes?  
 19. What does not involve energy transformation through mechanical or electronic creations?  
 20. The amount of time, labor, and money put into something  
 21. What does the solar power gain its energy from?

## Down

1. Who invented the photovoltaic effect?

3. A solar incentive that lets a person store extra energy in their electric grid  
 5. Basic unit of light  
 8. keeps heat inside, and keeps the cold out  
 9. What is solar energy used to create?  
 10. What type of current powers your home?  
 11. able to be maintained at a stable level  
 14. The amount of the sun's radiant energy exposed to the earth at all times  
 15. What is a flat solar powered rectangle that collects the sun's rays to use for energy?

## Word Bank

Alternating	cost analysis	Passive	Active	electricity	Net Metering
Insulation	sun	Thermal Mass	Inverter	silicon	Solar constant
Sunrun	Renewable	Photon	ITC	Panel	sustainable
Becquerel	Insolation	direct			