

**M L R P**

*Multi-benefit* ● *Land* ● *Re-purpose* ● *Program*





# ***Table of contents:***

***1. Multi benefit***

***2. Land***

***3. Re purpose***

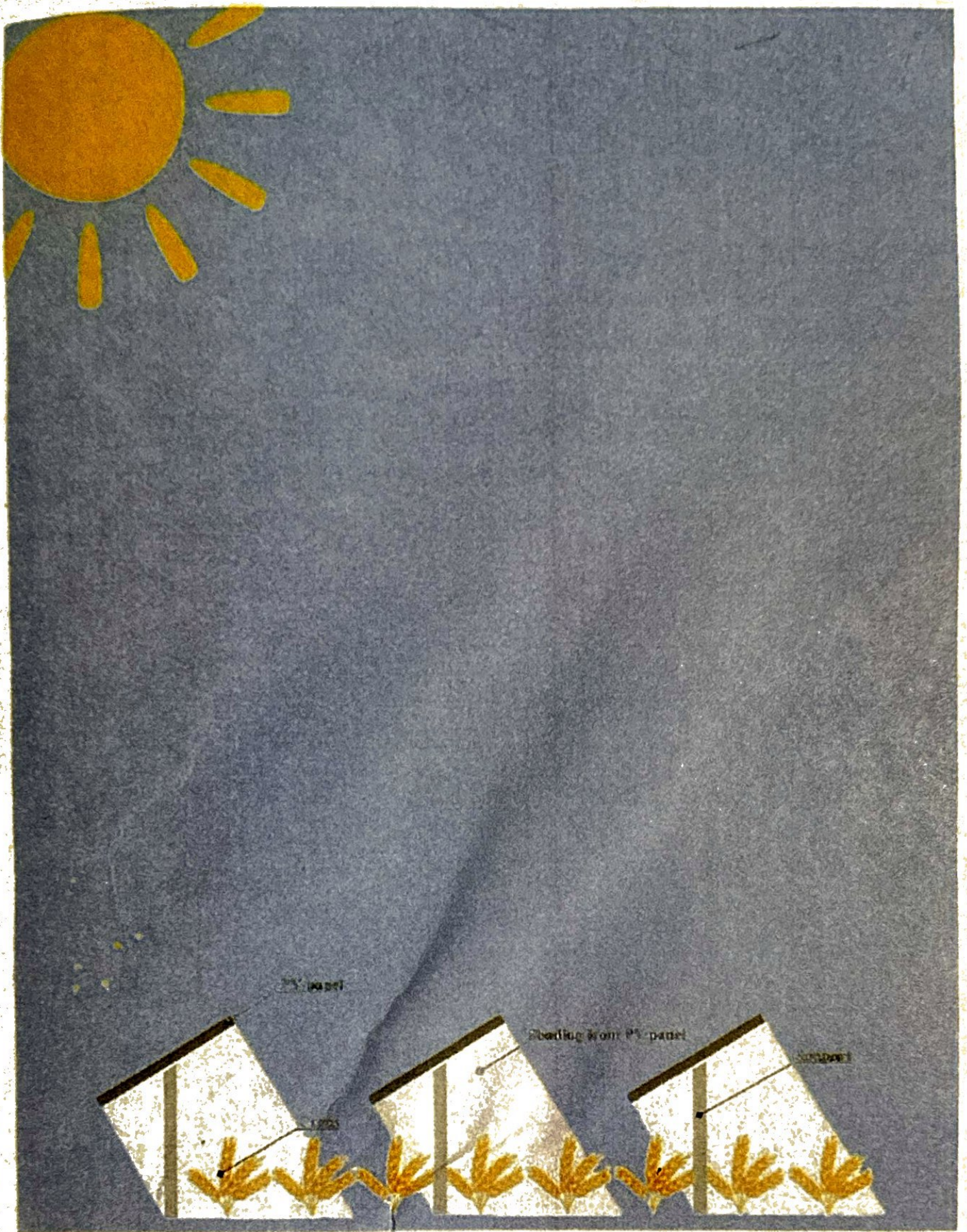
***4. Program***

***5. Crossword***

***6. Word search***









# ***Multi-Benefit***

***Farmland nowadays (especially in California) is almost always used only for profit and farmers never grow multiple crops at the same time. What is the point of having so much land and only growing one thing on it? why not gain multiple benefits from your large plot of land. You can do this by using solar panels over the crops/livestock so you create clean energy along with your crops/livestock. Not only is this good for the environment it can also gain you a profit.***

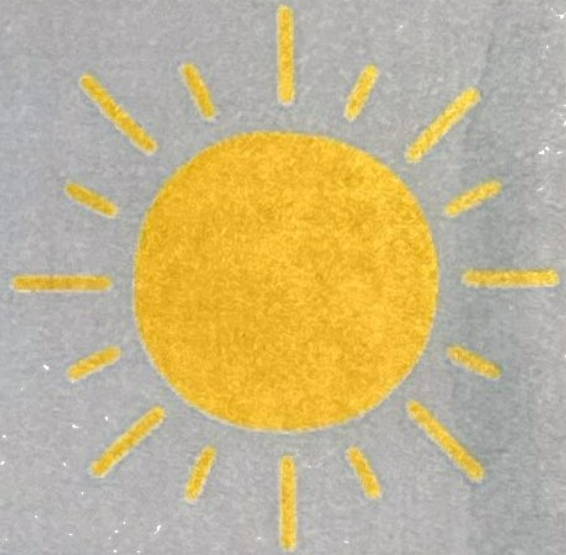




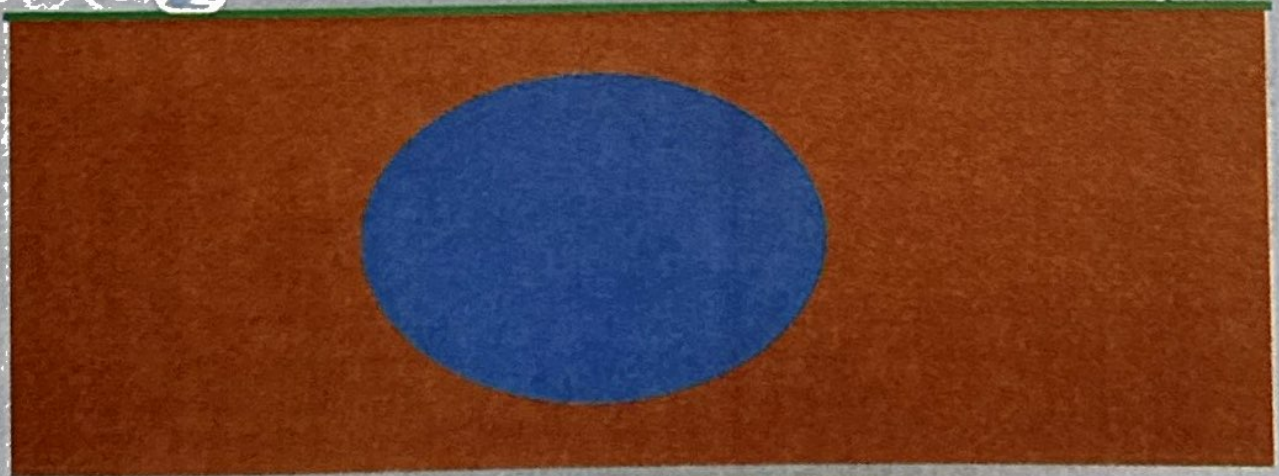
# **Land**

**Land is a very important part of agrivoltaics but farmers are running out of it due to the amount of permanent crops they are planting such as pistachios. Some farmers even get rid of nature and the the homes of animals to plant more harmful plants that use up a lot of water.**

**Underground is also important because there is aquifer's underground which are small to large bodies of water trapped in the ground beneath our feet but, we are running out of this water due to farmers growing crops that need so much water. What we do with this land is very important and that is where MLRP comes in every land owner that dose not know what to do with extra land should participate in MLRP.**



**NEED WATER!**





# ***Re-purpose***

***With all of the land that is rendered useless in the central valley due to SGMA, land owners could re-purpose this land to make the land useful again. Some ways they could re-purpose land is by creating a wind farm, though you would have to consider where your land is at because depending where the wind turbines are located they could be a danger to birds flying through the area. They could also use agrivoltaics which is raising crops/livestock under solar panels this is not only MLRP but it also saves water due to the shade of the panels shading the crops and the water dose not evaporate as fast as with no panels.***





rePurpose



## ***Program***

***MLRP is a program that any land owner can participate in and succeed in. Even if you do not own a large plot of land you can still participate in MLRP and make a difference, even if it is a small one. Every person counts when it comes to MLRP start doing it today or recommend it to someone you know even someone you don't know.***





by Karisa Sotelo





-Viviana



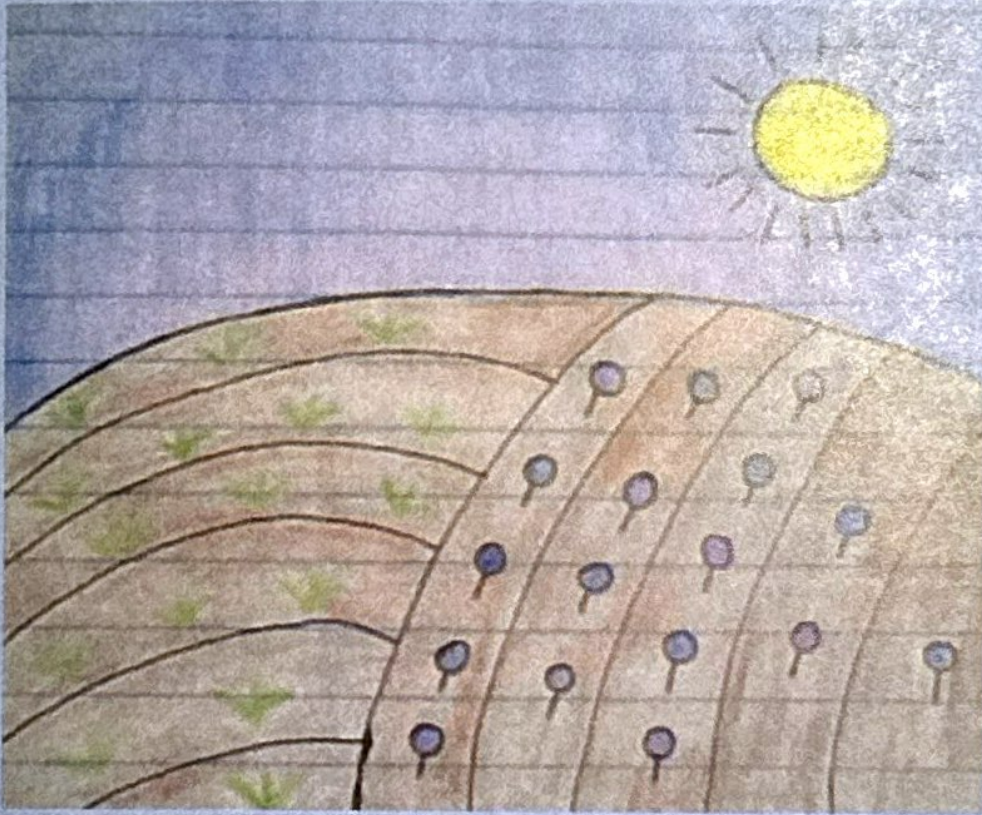
-Alexa



-Karisa



**Some drawings made by our group**



-Karisa



## MLRP word search

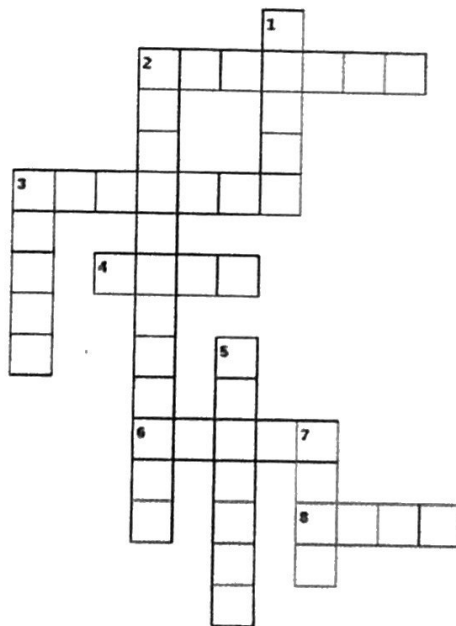
U	J	A	L	P	A	U	G	H	F	E	I	L	D
A	G	R	I	C	U	L	T	U	R	E	K	S	I
S	A	K	D	E	L	A	N	O	L	A	K	E	U
T	O	G	A	M	I	L	K	W	E	E	D	D	A
A	L	R	N	P	K	I	T	F	O	X	G	L	
C	I	C	A	I	G	L	J	M	A	W	O	M	L
H	V	V	L	R	V	A	A	J	R	O	D	L	E
I	E	Y	A	I	P	O	R	N	M	W	T	R	N
T	S	O	S	L	M	A	L	O	T	U	S	P	S
U	T	K	O	U	L	A	N	T	O	L	G	U	W
L	O	U	I	L	N	E	T	E	A	R	M	G	O
A	C	T	L	N	D	V	Y	E	L	I	A	V	R
R	K	S	N	E	C	R	E	E	K	S	C	T	T
E	Q	S	O	L	A	R	P	A	N	E	L	S	H

MLRP  
 SUN  
 ALPAUGH  
 MILKWEED  
 KITFOX  
 SGMA  
 SOLARPANELS  
 ALLENSWORTH  
 TULE  
 KANGAROO RAT  
 AGRICULTURE  
 AGRIVOLTAICS  
 VALLEY  
 SOLARPANELS  
 TACHI

13



# Word Search/Crossword



## Across

2. a student who starts with a and who lives in Alpaugh
3. water that's on the ground
4. dirt
6. plant grown as food
8. multipurpose land repurposing program

## Down

1. panels panels designed to absorb the sun's rays as a source of energy
2. crop cultivation, livestock farming and solar panels
3. a student who starts with a and who lives in Allensworth
5. a long time of dryness when there is no water
7. sustainable groundwater management act



## **Thanks for reading!**

**Remember, agriculture is a very important part of the central valley but farmers were to careless with the amount of water they were using and they eventually ran out. Agrovoltaics, MLRP, and SGMA are all things that helps save our water and you should try researching on these topics more if you enjoyed this zine.**

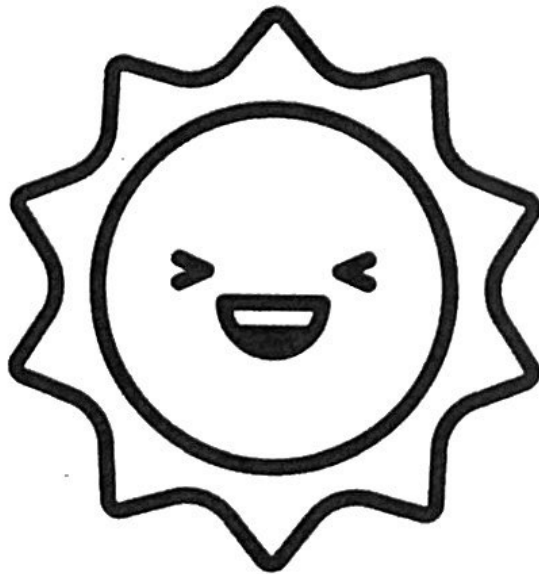




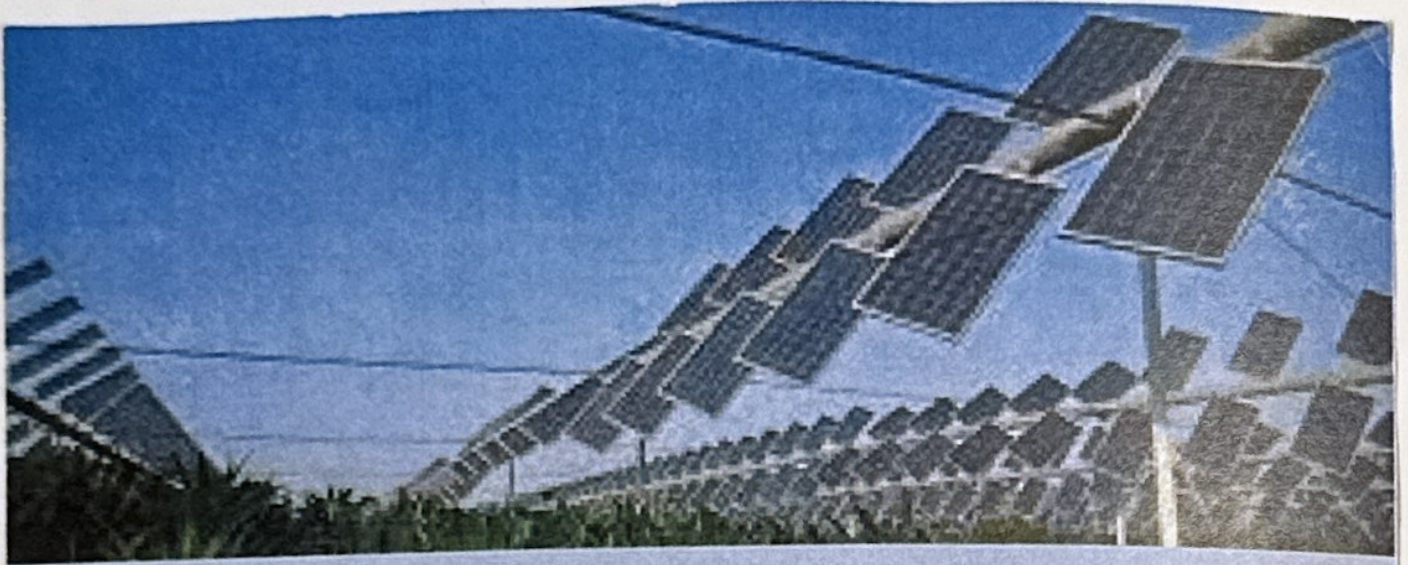
***Dad, can you tell me what a solar eclipse is? (dad) "No sun."***

***What Is A Solar Panels Favorite Drink? Sunny-D.***

***How Do Solar Panels Like Their Eggs? Sunny-Side Up***







**Nathan Alexander Medina**

**Viviana Ramirez**

**Karisa sotelo**

**Alexa Toscano**

**Antonio Arrieta**

## **2024 TULARE LAKE PROJECT BASED LEARNING PROGRAM ECO ENERGIZERS: TULARE LAKE YOUTH PHOTON FARM!**



This summer the Allensworth Progressive Association (APA), in partnership with Socio-Environmental Education Network (SEEN), hosted the annual 2024 Tulare Lake Project-Based Learning (TL PBL) at Col. Allensworth State Historic Park. Throughout the months of June and July our students learned about multi-benefit land repurposing and agrivoltaics, exploring where photovoltaics and agriculture meet to power our way to a greener tomorrow! The TL PBL is a regional climate change education program for rural middle and high school youth living in the Tulare Lake region. The TL PBL introduces and educates our youth on the climate issues we face in the southern Central Valley and explores innovative mitigation and adaptation solutions, preparing them for the future.



**For more information: [infoeallensworthpa.org](http://infoeallensworthpa.org)**

17