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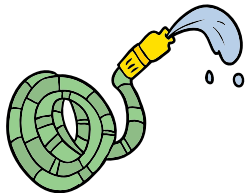
Garden JOURNAL

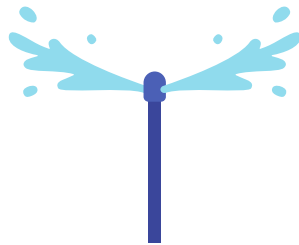
**Flow of Water in Ecosystems, Food
Systems, and Your Home**



LESSON #1: DROUGHT HARDY GARDENS

Can you name these types of irrigation?





Word Bank

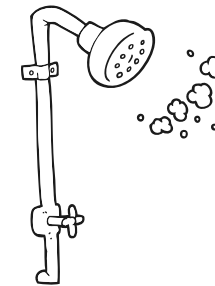
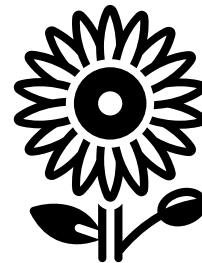
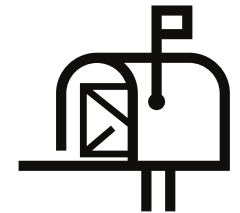
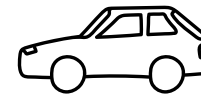
Drip Irrigation Sprinkler
Surface Irrigation Hose

1

Name 5 ways we can reduce the amount of water we use.

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____

Circle all of the things that use water



6

LESSON #2: \$1 MILLION ORANGE

Can you put in order the steps an orange has to go through before it arrives on your plate?

Number from **1** to **8**

___ Farm workers harvest



___ Oranges arrive at a distribution center and are stored before they are bought



___ Shopper purchases orange and drives it home



___ Oranges travel many miles



___ Loaded back on a truck and delivered to a store



___ Grow on a farm



___ You have an orange for dinner!



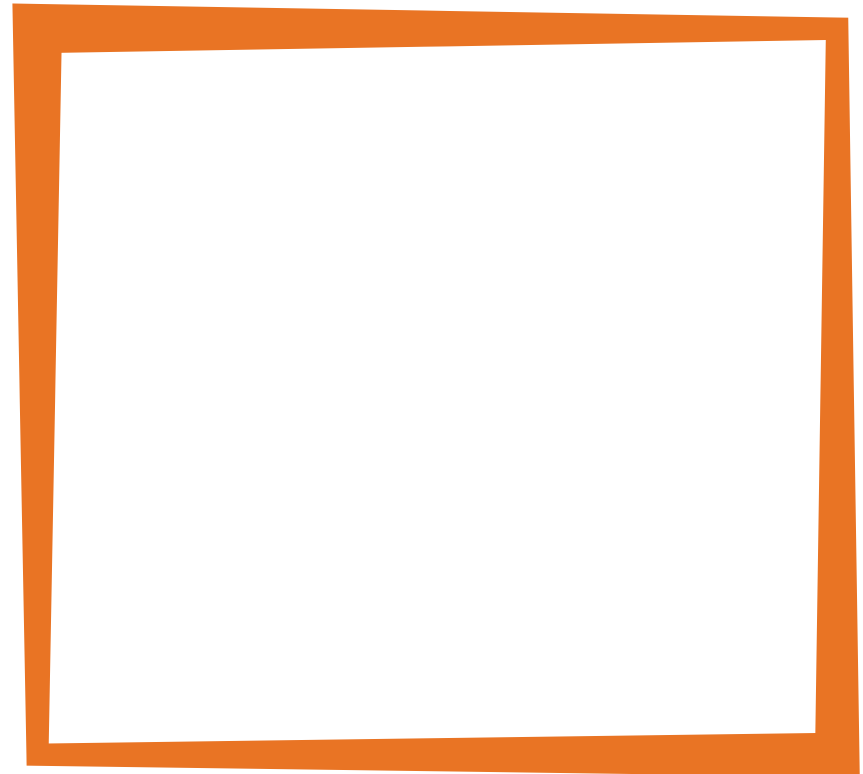
___ Oranges boxed for delivery



3

What are some ways you can use less energy when getting food?

Draw your dream garden below:



4

LESSON #3: WATER AUDIT

Survey: How Much Water Do You Use?

DIRECTIONS This is a survey to find how much water you use in your home during one full week. Place a tally mark in the Times Per Day column every time someone in your family does the activity.

ACTIVITY	TIMES PER DAY							WEEKLY TOTAL	WATER PER ACTIVITY*	TOTAL WATER USED
	Sun	Mon	Tues	Wed	Thurs	Fri	Sat			
Toilet Flushing	+	+	+	+	+	+	=	_____	x 5 gallons = _____	
Short Shower (5-10 minutes)	+	+	+	+	+	+	=	_____	x 25 gallons = _____	
Long Shower (>10 minutes)	+	+	+	+	+	+	=	_____	x 35 gallons = _____	
Tub Bath	+	+	+	+	+	+	=	_____	x 35 gallons = _____	
Teeth Brushing	+	+	+	+	+	+	=	_____	x 2 gallons = _____	
Washing Dishes with Running Water	+	+	+	+	+	+	=	_____	x 30 gallons = _____	
Washing Dishes Filling a Basin	+	+	+	+	+	+	=	_____	x 10 gallons = _____	
Using Dishwasher	+	+	+	+	+	+	=	_____	x 20 gallons = _____	
Washing Clothes	+	+	+	+	+	+	=	_____	x 40 gallons = _____	
Grand Total								= _____		

Can you name 15 fruits, vegetables and grains that can be grown on farms or gardens?

