Name:	
1.	Three particle types that make up soil are:
2.	Match the correct definition:
Clay	tend to compact, preventing deep root penetration
Silt	drain well but lose nutrients quickly
Sand	y drain poorly and tend crust over blocking air and water
3.	is the best type of soil for vegetable gardens. It contains% sand% clay and% silt.
4.	Describe one method for estimating soil texture

•

Name	
5.	How many climatic zones are there in North America?
6.	What is hardiness?
7.	Which is the coldest? warmest?
8.	When is the last spring frost?
9.	When is the first fall frost?
10	. What do these dates determine?
11	. What are some of the first plants we might consider growing?

Plant	# of Weeks Before First Frost	Seed starting date

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Seed Starting Journal

Seed Type	Plant name	# Weeks before last frost	Sowing date	Planting date	Notes
Ex. herb	basil	6	March 14	May 8	6 to 8 hours of full sun daily Plant ¼" deep Thin when each has 2-3 leaves, 10-12 in apart

Name:

Name: _____

Soil Structure

1.	Soil structure refers to the way	
	and to the proportion of	and
2.	Healthy garden soil is roughly	(mineral particles
	and organic matter) and	(occupied by water, air,
	living creatures and plant roots)8	
3.	Soil structure affects how easily	
	the soil, how well	through the soil,
	and how available	are in the soil.
4.	Maintaining a high level of	is essential for
	good soil health.	
5.	What are some examples of organic matte	r?

6. What are four tests we can do to assess soil health?

Name: _	
	6

Soil Tests

Sniff Test

1.	Soil that contains lots of organic is dark, has a slightly
	spongy feel and gives off
2.	If the soil smells, it may indicate a pH problem
Earth	worm Survey
1.	Earthworms are good of soil health.
2.	The number of earthworms present in 1 cubic food of soil is a
	measurement. Using this information to make
	conclusions about the health of the soil is a
	measurement.
3.	How many earthworms should be present at a minimum in good healthy soil?
	·
4.	If there are less than 10 earthworms, we need to add
	to the soil.

Name:	
	7

Soil Profile

1.	To assess your soils general health and structure, find a spot in the garden and					
	dig a	trench	long, and	deep.		
2.	The to	op 4-6 inches of soil should be		and		
3.		and other life should be evident.				
4.	Plant	roots should penetrate	a	and spread freely.		
5.	upper soil, stunted or horizontal roots,					
	and a	n absence of living organisms	indicate	soil.		
Draina	age Te	st				
1.	Soil's	ability to	is import	ant for plant growth. Too		
	much water or too little water will reduce the health of the soil for plants.					
2.	То со	nduct a drainage test:				
	a.	Dig a hole roughly	deep and	in diameter.		
	b.	Fill the hole with water, let it d	rain, and then			
	c. The liquid should percolate gradually but completely into the surrounding					
		soil within				
3.	If the	soil is draining too guickly, we	can add			

	L	

Name: _____

Soil pH

1.	pH is a measure of		or	
2.	The pH scale is fromneutral.	to aı	nd a pH of	is considered
3.	Most cultivated plants need	a pH of	÷	
4.	Plant	become availab	ole or unavailable	according to pH.
5.	Soil pH can be lowered by a way to lower it is by adding _			
6.	Soil pH can be raised by add can raise pH as well.	ding	Crushed eggshe	ells or wood ashes