

Thank you to our sponsors!



WASHINGTON GRAIN COMMISSION



Washington State **Conservation Commission**



Your local
Conservation
District

How to replant your wheat!

- Dig a small hole in a sunny area or a pot.
- Remove the wheat by gently pulling the stems up. The roots and soil should come out of the cup with the wheat.
- Place the wheat into the hole.
- Fill any gaps around the roots with more soil.
- Give your wheat plants a little bit of water when the soil around it feels/looks dry.
- When your wheat has grown tall and dried to a golden yellow (no visible green), harvest your wheat!

Kernel Journal



Name: Teacher Journal

Terrarium Observations

Date

Written Observations

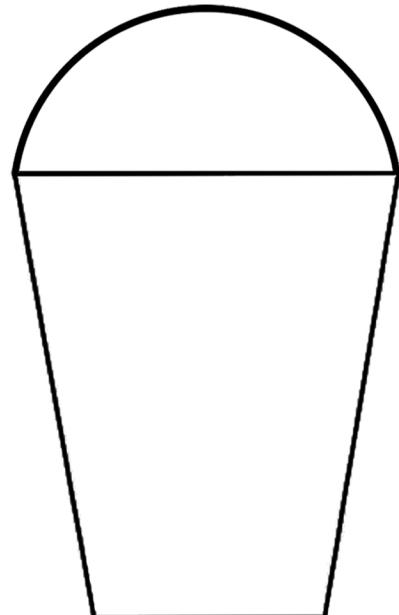
I planted _____ kernels of wheat.
I added _____ sprays of water.

Terrarium Analysis

Date

Growth (cm)

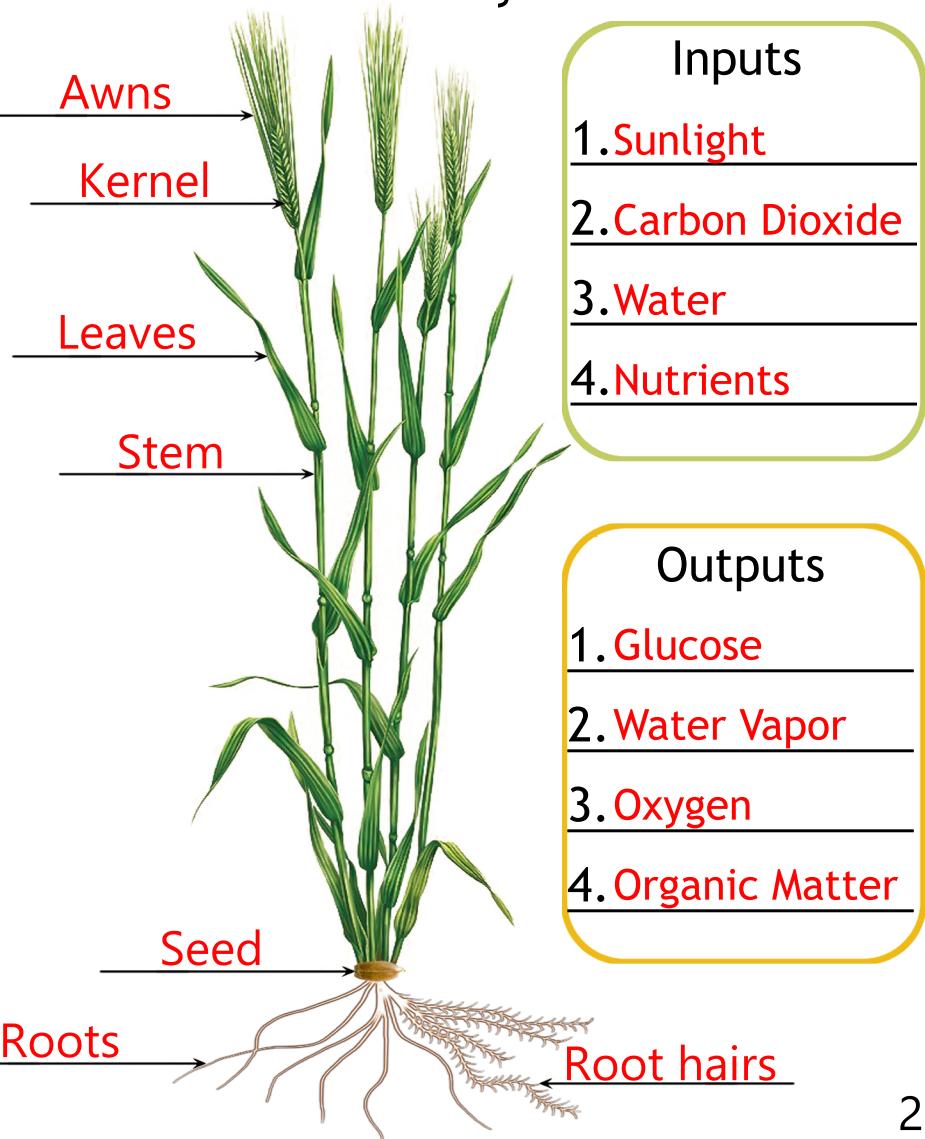
Illustrated Observations



What is Wheat?

System: a combination of parts forming a whole.

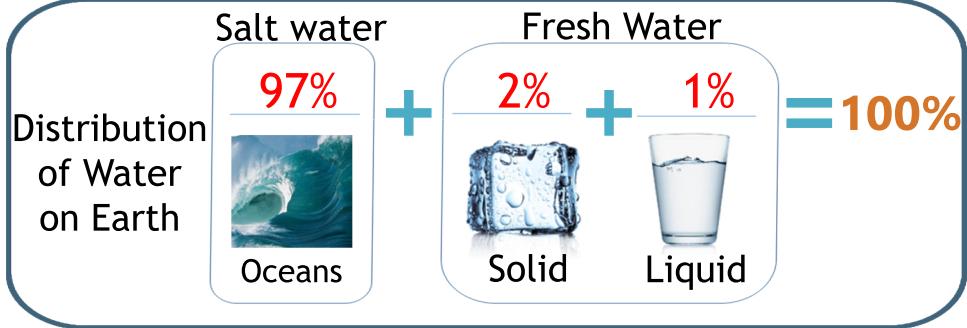
Wheat Plant System



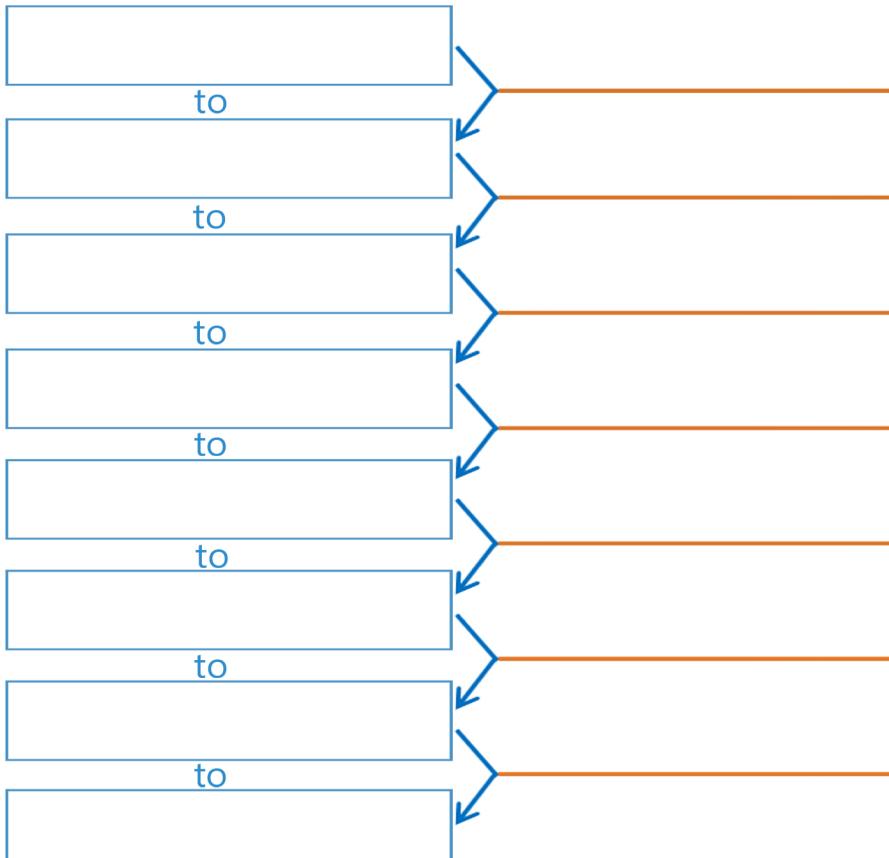


Water in our World

Conservation: to save or use wisely.



My Water Journey



Amazing Soils

Erosion: the movement of soil by water and wind.

Soil Observations

Soil:	1	2	3
Describe the soil sample:			
For example: color, texture (how it feels), size, shape, sound, smell			

Prediction: (circle one)	Sand	Sand	Sand
	Silt	Silt	Silt
	Clay	Clay	Clay

Results: Clay Sand Silt

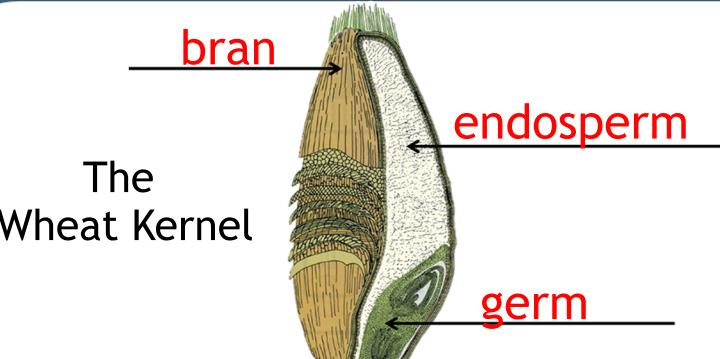
I predict water will percolate through (Circle one) 1, 2, 3 the fastest because:





Wheat DNA

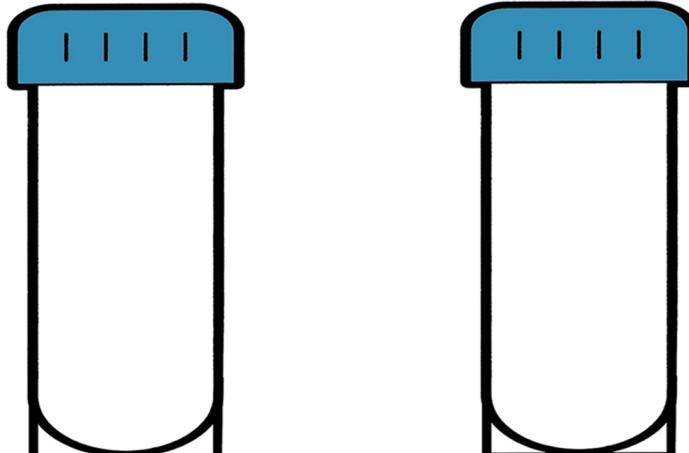
Trait: a distinguishing characteristic



Wheat DNA Extraction

Prediction

Results



What process did Norman Borlaug use to change the traits of the wheat plant?

Plant breeding

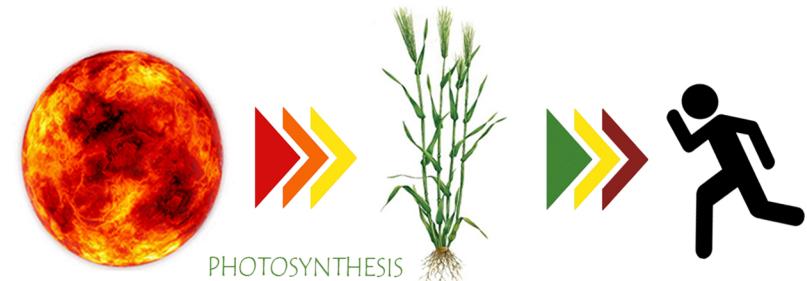
How can you make a positive change in your community?



Wheat Energy

Energy: the ability to do work.

Energy Transfer in Living Organisms



Light Energy

Chemical Energy

Motion Energy

Transportation Math!

= =

1 barge

35 train cars

134 semi-trucks

=

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