

The Great Bean Race Gauging Student Needs Assessment

What are the perfect conditions for growing a bean plant?
How can we find out?

Our K-W-L

What we Know about growing plants (sample responses)	What we Wonder about growing plants (sample responses)	What we Learned about growing plants
<ul style="list-style-type: none">• Plants need water.• Plants need soil.• Plants need light.	<ul style="list-style-type: none">• How much water is too much? too little?• How do soils differ?• How much light? What kind of light?• How do plants eat?• How do plants grow?	

To answer our Wonder questions we need to...

(sample responses)

- Do research to find out how plants grow and eat
- Set up experiments to answer our questions about plant needs (water, light, and soil)
- Make predictions about the best conditions and then try to answer them
- Collect our data carefully
- Make graphs and models to help display our work
- Compare our results with others
- Draw conclusions based on our experiments and research

Why are plants important to us? Could humans and animals live without plants?

Let's brainstorm what we think...

Plants: (sample responses)

- Help us breathe
- Give us shade
- Are homes for animals
- Are pretty to look at
- Give us compost
- Give animals food
- Give us food

How Does It All Connect?

(sample responses)

