

# Hydroponics Worksheet

Time (days)	“Soil” Appearance of Seedlings	Height (mm)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

Time (days)	“Complete Nutrient” Appearance of Seedlings	Height (mm)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

Time (days)	“Minus Iron” Appearance of Seedlings	Height (mm)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

Time (days)	“Minus Calcium” Appearance of Seedlings	Height (mm)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

## Post-Lab Questions *(Answer on a separate sheet of paper.)*

1. Compare the plants grown in the soil with those in the complete nutrient solution. Were there major differences in germination rate or overall growth?
2. Describe the appearance of wheat seedlings grown without iron compared to those with iron.
3. Describe the appearance of wheat seedlings grown without calcium compared to those with calcium.
4. Why do plant roots need to be aerated?
5. Why were five seeds planted in each cup instead of just one?