

# Answer Keys

## Vegetable Jungle

### Doodle Bugs

- Circle: Carrots, turnips or potatoes  
Box: Asparagus or celery  
Fill-in the blank: Kale, spinach, romaine lettuce, mustard greens, turnip greens, mint, collard greens, etc.  
Fill-in the blank: It is the fruit of the plant because it contains the plant's seeds.

### SCIENTIFIC INQUIRY:

#### Stating the Facts About Vegetables

- Broccoli: 25 grams (0.9 oz); 2.5 inches (6.4cm); dark green, looks like a tree; flower  
Celery: 40 grams (1.4 oz); 3 inches (7.7cm); light green, gets wider and whiter at the bottom; stem  
Lettuce leaf: 12 grams (0.4 oz); 4 inches (10.2 cm); light green, flat with veins running through it; leaf  
Green pepper: 165 grams (5.8 oz); 10 inches (25.5 cm); bright green with white seeds inside, spherical shaped with a stem on top; fruit  
Potato: 213 grams (7.5 oz); 8 inches (20.5 cm); brown outside but white inside, oblong; root

## Vegetable Rainbow

### Doodle Bugs

- Circle: Lemon juice, vinegar, cream of tartar  
Fill-in the blank: Lime juice, grapefruit juice, cranberry juice  
Fill-in the blank: It is a nice bright green, but it is very mushy.

### SCIENTIFIC INQUIRY:

#### Color Changes in Acids and Bases

- Broccoli: Green; dull green or brownish green (acid); bright green (base)  
Carrot: Orange; slightly lighter orange (acid); orange (base)  
Red cabbage: Deep red; bright red (acid); blue (base)  
White onion: White, clear white (acid); yellow (base)

Which vegetable's color is changed the least by the acid and base?

**The carrot's color is the least changed by the acid and base. It is a slightly lighter orange when cooked in the acidic water and it does not change color when cooked in the basic water.**

# Answer Keys (continued)

## Eating Vegetables

### Doodle Bugs

- Box: 2-2 1/2 cups  
Fill-in the blank: Mashed potatoes, mashed sweet potatoes, mashed cauliflower, etc.  
Underline: Vitamin C helps heal cuts and scrapes.  
Fill-in the blank: Orange vegetables are full of vitamin A and help with eyesight.

### SCIENTIFIC INQUIRY:

#### Scientific Soup

How many different colored vegetables are in your soup? Is this a good variety?

**There are four different colored vegetables in my soup, plus red tomato juice. The four vegetables are white potatoes, orange carrots, yellow corn and green beans. I think this is a good variety.**

Like/Dislike: **Answers will vary.**

My soup creation: **Answers will vary.**

- Example:** 1. Place the pot on the stove.  
2. Add chicken broth.  
3. Add garlic powder, parsley and ground pepper.  
4. Add chicken chunks, noodles, carrots, celery and onions.

### Proficiency Questions (Workbook)

1. **b** 2. **a** 3. **b** 4. **c** 5. **a** 6. **d**

### Proficiency Questions (Virtual CD)

1. **b** 2. **a** 3. **b** 4. **c** 5. **a** 6. **b** 7. **d** 8. **a**