

# Answer Keys

## Egg-ceptional Eggs

### Doodle Bugs

Underline: **These parts include an outer membrane, inner membrane, white, vitelline membrane, yolk and chalazae.**

Draw: **An egg with tiny holes.**

Circle: **The egg yolk**

### SCIENTIFIC INQUIRY:

#### Egg Facts

Whole egg: **White; oval**

Egg white: **Clear; liquid blob**

Egg yolk: **Bright yellow; sphere**

Chalazae: **White; string like shape**

Whole egg: **2.3 ounces; 5 inches around; 2 1/2 inches tall**

Egg white: **1.5 ounces**

Egg yolk: **0.75 ounces, 3 inches around**

Can you see the chalazae of the boiled egg? **No**

Tell one way the egg white changed after it was boiled. **The egg white changed from a liquid to a solid after it was boiled. Or. The boiled egg white is white, instead of clear.**

Tell one way the egg yolk changed after it was boiled. **The egg yolk changed from a liquid to a solid after it was boiled. Or. The boiled yolk is pale yellow, instead of bright yellow.**

## Fantastic Foams

### Doodle Bugs

Circle: **Puffy omelets, fluffy pancakes and foam candies and cookies**

Box: **Medium stiff peaks will stand up with just their tips falling over. Or. They will be smooth and a shiny white.**

Fill-in the blank: **Because egg yolks keep egg whites from turning into foam.**

### SCIENTIFIC INQUIRY:

#### Peaks, Peaks, Peaks

Unbeaten circle: **Small, flat, blob, liquid, clear**

Stiff peaks circle: **Big, tall, fluffy, foamy, white**

Overlap Unbeaten and Stiff peaks: **Egg white, source of protein, low in fat**

**My cookie tastes:** **Answers will vary. Examples:** *Good, sweet*

**My cookie looks:** **Answers will vary. Examples:** *Fluffy, light, crunchy, golden*

**My cookie feels like:** **Answers will vary. Examples:** *A crunchy cloud, chewy cotton candy in my mouth, a toasted marshmallow*

# Answer Keys (continued)

## WHILE YOU WAIT:

### Egg-citing Egg Foams

My Guess/Prediction:	<b>Egg whites or Egg Yolks</b>
Starting and Ending Times:	<b>Answers will vary.</b>
Volume of egg whites:	<b>1 1/4 cups</b>
Volume of egg yolks:	<b>1/4 cup</b>
Prediction Correct:	<b>Yes, if egg whites. No, if egg yolks.</b>

### Proficiency Questions (Workbook)

1. **a**   2. **a**   3. **b**   4. **d**

### Proficiency Questions (Virtual CD)

1. **c**   2. **d**   3. **c**   4. **b**