

Unit : Handout :
3 : 10

Lesson 5: Getting Started

Purpose: To think about how scientists collect data on what they cannot directly observe

Guiding Questions: How do scientists determine what is inside an object?

Instructions: Your group will receive an egg that contains an object or several objects. Your goal is to determine information about that/those object/s and describe how you determined this. **There is no cheating allowed!** The purpose of this activity is not necessarily to be correct, but to think about how you determine what something is made of or has in it without being able to directly see it.

Observations: Statements of fact based on your senses or scientific instruments.

Inferences: Statements that explain, predict, or otherwise hypothesize based on your observations.

Observations

Inferences

Reflecting

1. What did you do to determine what was inside the egg?

2. How might this be similar or different to how scientists determine what is inside the earth?