INTRODUCTION
You have now completed the second half of the module *Earth in Space*. In this lesson, you will be assessed on your ability to show both what you know and what you can demonstrate about the solar system. The assessment is divided into three parts. During Part A, you will conduct an investigation and record your data, observations, and conclusions. In Part B, you will complete multiple-choice and short-answer questions about the planets, asteroids, comets, and Earth’s history as a planet. You will review diagrams and analyze data organized in a table. Finally, during Part C, you will review the ten questions that you answered in Lesson 1 of this module. Your teacher will use the results of this assessment to determine how well you can apply the concepts, knowledge, and skills you have learned in this module.

OBJECTIVES FOR THIS LESSON
Complete a two-part assessment of the concepts and skills addressed in Parts 2 and 3.
Revisit questions from Lesson 1.
PROCEDURE

Part A
1. Collect one copy of the Planning Sheet, one copy of Inquiry Master 22.1a, and one copy of Student Sheet 22.1a for yourself.

2. Listen as your teacher describes Part A of the assessment.

3. Discuss with your teacher how you might set up a data table.

4. Review with your teacher how you will be assessed on your work in this lesson.

5. Complete your Planning Sheet.

6. Review the Safety Tips. Collect your lab equipment. Although you might share a set of materials with another student, you will complete the written portion of the assessment individually.

7. Complete your investigation by following your Planning Sheet. Record your data, graph, observations, and conclusions. Remember to relate your conclusions to the motion of the planets in our solar system.

SAFETY TIPS
Wear goggles at all times.
Do not spin the washer above your head.
Leave plenty of space between groups. Make sure the swinging washer will not hit students or objects.
Do not let go of the string while the washer is in motion.

For you
1 copy of the Planning Sheet
1 copy of Student Sheet 22.1a: Solar System Performance-Based Assessment (Part A)
1 copy of Student Sheet 22.1b: Solar System Assessment Answer Sheet (Part B)
1 class copy of Inquiry Master 22.1a: Solar System Performance Task (Part A)

For you and your partner
1 student timer
1 metric measuring tape
1 piece of string, 1 m
1 small metal washer
Part B

1. Your teacher will distribute the questions and answer sheet for Part B of the assessment. Do not write on the question sheets. They may be used by other classes throughout the day. Put all answers on your answer sheet. Your teacher will go over the assessment with you.

2. Begin Part B of the assessment when your teacher directs you to do so.

3. Turn in Part B of your assessment after you have answered all of the questions.

Part C

1. With your class, examine the ten folders with Questions A–J from Lesson 1.

2. Answer the ten questions from Lesson 1 again independently and in writing. You can refer to Procedure Step 1 in Lesson 1 for the specific questions.
REFLECTING ON WHAT YOU’VE DONE

1. Review your scored assessments with the teacher.

2. Discuss with the class how your ideas about the solar system have changed since Lesson 1.