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Student's Name	Class	Date
LAB-	AIDS® #100 OB-SCERTAINER™ KIT Student Guide and Worksheet	
sought to explain the incredible amount of ph of research, these specialists use a universal at Method.  The Scientific Method involves recognizing and controlled experimentation. Results and conce an explanation is assumed, a model reprofessed of additional experimentation and research. For earth as the center. Later in the seventeenth of center with earth and the other planets revolve are constantly revising this model to include a result of technological advances that allow us In this LAB-AIDS® kit you will be observing the able to see this design or configuration, so other senses.	g and experimenting with an object that has a sp your observations will be indirect. These indire	incredible amount of and variety ress is referred to as the Scientific rata, forming tentative hypotheses, other scientists and investigators. It is that the Greeks and Arabs showed rodel that showed the sun as the ears. However in recent times we embers of moons and planets as a recific design inside. You will not ect observations will involve your
In order to solve the following problem, y show ingenuity.	ou will need to be patient, use all of your cond	centration, be alert to detail, and

**PROBLEM:** What is the configuration or design inside the closed container known as an OB-SCERTAINER™?

**KNOWN DATA:** The closed OB-SCERTAINERS<sup>TM</sup> have a steel ball inside that moves within the partitions and walls. You are unable to see or touch the inside of the OB-SCERTAINER<sup>TM</sup>.

## **EXPERIMENTATION OR PROCEDURE:**

- 1. Carefully shake and tilt your OB-SCERTAINER™.
- 2. From the sound and path of the steel ball, determine the shape and location of the partition or partitions.
- 3. Record the OB-SCERTAINER™ number in the blank below and draw your hypothesis or best guess in the first circle.
- 4. Test this hypothesis by moving the ball along the partitions according to your hypothesis. If you wish to make changes to your hypothesis or create a new one, do so in the second circle. This will reflect your final hypothesis.
- 5. As you complete this, you are creating a model to explain the phenomenon you are observing. Save the third circle to fill in after your teacher has revealed the actual configurations.
- 6. Continue testing at least four OB-SCERTAINERSTM. Some of them may be more difficult than others, but do not spend more than 5 minutes on each. DO NOT OPEN THE OB-SCERTAINERSTM.

OB-SCERTAINER #	RETEST	ACTUAL MODEL
OB-SCERTAINER #	RETEST	ACTUAL MODEL

O	B-SCERTAINER #
H	YPOTHESIS ACTUAL MODEL
0	B-SCERTAINER #
H	YPOTHESIS RETEST ACTUAL MODEL
Ol	B-SCERTAINER #
HY	POTHESIS RETEST ACTUAL MODEL
SU	MMARY QUESTIONS:
1.	When making a guess, you are forming a
2.	When making a guess and retesting this information, a theory or may be formed which explains why something has occurred or what it may look like.
3.	When you can not see what is taking place, but other senses indicate occurrences. This is called
4.	Choose one of your OB-SCERTAINERS™ and write a summary of the actual OB-SCERTAINER™ configuration and your hypothesis (conception) of it. List those things that you were able to determine and those that you were unable to determine.
5 <b>.</b> ·	Is there any reason why you were successful for certain characteristics and not for others?