

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## Ob-Scertainer Activity

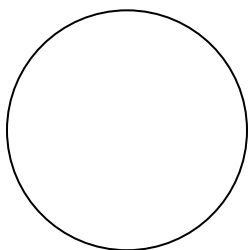
All science is an attempt to understand and explain the world we live in, investigators, scientists, and researchers have sought to explain the incredible amount of phenomena that makes up our world. Despite the incredible amount of and variety of research, these specialists use a universal approach to scientific problems. Often this process is referred to as the Scientific Method.

The Scientific Method involves recognizing the existence of a problem, accumulating data, forming tentative hypotheses, and controlled experimentation. Results and conclusions should be consistent and verifiable by other scientists and investigators. Once an explanation is assumed, a model representing a theory can be created. This model may change over time as a result of additional experimentation and research. For example, the model of the universe espoused by the Greeks and Arabs showed earth as the center. Later in the seventeenth century, Copernicus and Galileo proposed a model that showed the sun as the center with earth and the other planets revolving around it. This process took about 2,000 years. However in recent times we are constantly revising this model to include more information involving actual shape and numbers of moons and planets as a result of technological advances that allow us to more "directly" observe our universe.

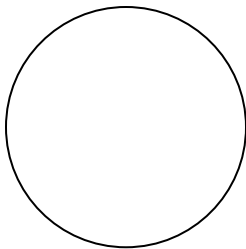
In this LAB-AIDS kit you will be observing and experimenting with an object that has a specific design inside. You will not be able to see this design or configuration, so your observations will be indirect. These indirect observations will involve your other senses.

In order to solve the following problem, you will need to be patient, use all of your concentration, be alert to detail and show ingenuity.

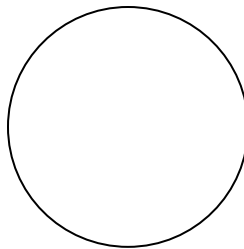
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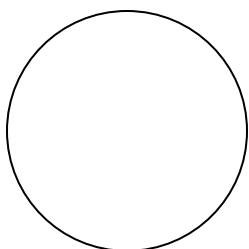
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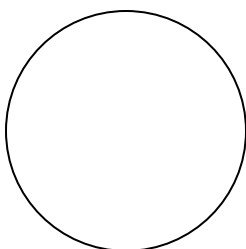
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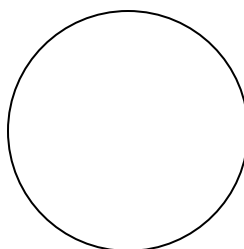
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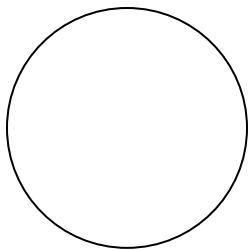
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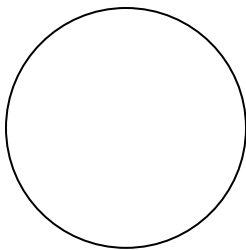
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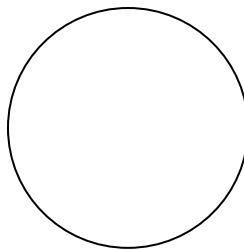
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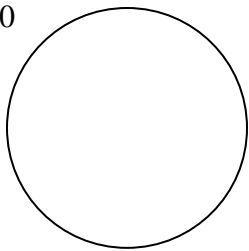
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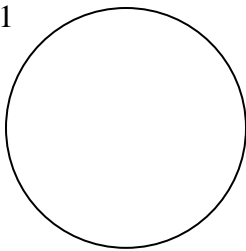
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