



### **MIDDLE SCHOOL – SCIENCE – STANDARD QUESTIONS**

1. Look at the object in the viewer. Conduct a quantitative analysis (size, texture, composition, color) observation of the object, collecting as much data as possible. Write your scientific observations below.
  
2. Look at the object more closely. Manipulate the object in a 360<sup>0</sup> plane or spin it in a 180<sup>0</sup> degree plane. Magnify it. Record any additional physical characteristics (wear, patching, manufacturer marks, dates) that you observe.
  
3. Combine your observations in “1” and “2” into a full and complete description. Make no assumptions and draw no conclusions at this time. Write your full and complete description below.
  
4. Based on your observations, construct a hypothesis about what this object might be and how it might have been used. Write your hypothesis below.
  
5. How would you test your hypothesis?