

Chemistry, Physics, and Modern Materials Worksheet

Sample Data Table/Observations

Demonstration	Observations
Diffraction	
Nitinol wire	
Photoresistor	
Piezoelectricity	

Discussion Questions

- Briefly explain the experimental set up to observe the best diffraction pattern.
- In the nitinol wire demonstration, explain how temperature play's a role in the shape of the wire.
- The photoresistor provided is made from cadmium sulfide (CdS). Are photoresistors made from other materials? If so, conduct an internet search to find an example.
- Conduct an internet search and find a real-world application for piezo elements.