**Challenge/The Question:**

**Hypothesis:**

**Vocabulary**:

**evidence**

**hazardous material**

**mixture**

**Thinking Space:**

***What does it means when a substance is considered “hazardous?”***

***What hazardous substances can you name?***

***How do you know if a substance is hazardous?***

***Looking at the jars presented: Do you think the substances in this mixture are hazardous?***

***How many different substances do you think are in the jar? What is your evidence?***

***Based on your observations, do you think this is a mixture or a pure substance? What is your evidence?***

* **First time just watch....then on the second viewing: Observe how a hazmat team handles an unlabeled barrel while taking notes here.**
* ***“Why doesn’t the hazmat team go over to the barrel right away?”*** ***Discuss why the hazmat team examines the barrel from a distance.***
* ***If you were searching under the sink at home and found an old jar filled with what appears to be rusty pieces of metal and an oily liquid, what would you do with the mixture?***