

World of Chemistry Video: *Measurement: The Foundation of Chemistry*

Name _____ pd _____

Answer the following questions after you view the videotape. You should read the questions *before* you watch the tape and take notes to help you later.

1. Why is measurement so important and at the heart of modern chemistry?

2. Give 5 examples of measurements in a gas station.

1. _____
2. _____
3. _____
4. _____
5. _____

3. What is a *true* value? What does *intercompared* mean?

4. Why do you have to hold the standard masses with forceps (tweezers) when using them to check a balance?

5. What kind of standard does a nutrition chemistry need?

6. What do the following abbreviations stand for?

ppt _____
ppm _____
ppb _____

7. One way to measure the salinity (chloride) of a water sample is to titrate it with silver nitrate. How do you know when all the chloride in the sample has reacted?

