

Name: _____
Science 6

Date: _____
Period #: _____

The Metric System Web Quest

History's Important Dates

<https://sites.google.com/site/maddieandtorismagicalwebsite/home/history-of-measurements-timeline>

Examine the following dates and timeline to find out the history behind the metric system.

- 1) Who originated the metric system and when?
- 2) Which U.S. president proposed a decimal-based measurement system for the U.S.?
- 3) When was the metric system made legal in the U.S.? Was this mandatory?
- 4) Why is it important that we understand and are able to use the metric system?

Metric Measurements

<http://www.mathsisfun.com/measure/metric-system-introduction.html>

- A. Describe 2 metric ways to measure liquids.
- B. Describe how big a milliliter and liter are.
- C. Name 3 metric ways to measure mass (weight).
- D. Describe how much a gram, kilogram and tonne weigh.
- E. Describe 4 metric ways to measure length.
- F. Answer the 10 questions at the end of the lesson. Write down how many questions you answer correctly.

International Sports

<https://www.nist.gov/pml/weights-and-measures/metric-sports-olympic-fast-facts>

Many of us enjoy the Olympics and can't help but marvel at the athletes' talent. Check out this website and answer the following questions.

- 1) What percentage of the world uses the metric system?
- 2) Approximately how high is 10 meters?
- 3) Approximately how long is 5 kilometers?
- 4) How wide is a balance beam for female gymnasts? What does this compare to?
- 5) Name one more interesting fact about international sports and its use of the metric system.

If time permits:

Watch the following brain pop video.

Answer the questions as you watch the video, you may pause it and watch it again if you would like.

<http://www.brainpop.com/science/matterandchemistry/measuringmatter/>

1. What is matter? _____

2. Mass = _____

3. Weight is a measure of _____. Weight is measured in _____.