Ca steel C olts

Name _____ Date _____ Period _____

Metric System Webquest

Go to www.thesciencequeen.net , click on student resources, then Metric System Webquest.

History of the Metric System

1. The metric system began in the _____ of _____.

2. Who introduced the DECIMAL system into Europe? _____.

3. Who first proposed a decimal system of measurement? _____.

    a. What natural thing did he base his measurement on? _____.

4. Why did James Watt call for a global measurement system?

    _____

5. How many definitions of units of measurement did France have prior to the Revolution?

    _____

Origin of the Metric System

6. Who is considered the "founding father" of the metric system?

7. When did France make Metric the official and compulsory measurement system of their

    country? _____

8. When was the metric system made legal in the U.S.? _____

9. What was the Treaty of the Meter? _____

10. In your own words, what did the U.S. Metric Study conclude in 1971?

    _____

    _____

11. When did all US federal agencies have to use the metric system? _____

Unit Mix-ups

12. When a customer in Japan was quoted a price of .39 cents a pound he thought he was
    being charged .39 a kilogram. He was shocked when he go the bill – since he ordered
    100kg. How much was the bill? _____

13. Why was the fence for Clarence the tortoise not strong enough?

_____

14. Why did the Mars Orbiter crash? _____

15. Why did Disneyland Tokyo's Space Mountain coaster crash?

_____

Metric vs. Imperial

16. Which is longer, a meter or a yard?_____ By how much? _____

17. Which is longer, a kilometer or a mile? _____ By how much? _____

18. Which is longer, a centimeter or an inch? _____ By how much? _____

19. Which is heavier, a pound or a kilogram? _____ By how much? _____

20. Which would hold more water, a liter or a quart? _____ By how much? _____

21. Which would hold more water, a teaspoon (tsp) or a milliliter?_____

22. Which is hotter, 30 degrees Celsius or 30 degrees Fahrenheit? _____

23. Complete the following chart using the seven base units of the metric system.

SI Base Unit	Measures	Abbreviation
Meter	Distance	m