

Name _____

period _____

Science Skills -7

Using Mnemonics

Sometimes in science you need to need to memorize a list of things in a certain order. One way to do this is by using what is called mnemonics, which means “memory tricks.” You may have used one when you learned the order of the planets of the solar system. You should have been taught the following sentence:

My Very Educated Mother Just Served Us Nachos!

The first letter of each word in the sentence tells us the order we need to remember. Since you already know the names of the planets this sentence helps us remember the order. Name the planets below.

My	
Very	
Educated	
Mother	
Just	
Served	
Us	
Nachos	

Another mnemonic sentence can help us remember the order of the metric system prefixes.

King Henry Died Unexpectedly Drinking Chocolate Milk.

Again the first letter of each word in the sentence tells us the order we need to remember. The U stands for unit. As you know there are three major units of measurement in the metric system - meter, liter and gram.

Write the metric prefixes below.

K	H	D	Unit	D	C	M
			M			
			L			
			G			

Write your mnemonic sentence above and use it to convert the following.

Convert the following:

1. 100 kL = _____ L

2. 500 mL = _____ kL

3. 1.5 L = _____ mL

4. .5 kL = _____ L

5. 2.5 L = _____ kL

6. 3.75 L = _____ kL

7. .5 mL = _____ kL

8. .5 L = _____ mL

Convert the following:

1. 10 m = _____ cm

2. 5 cm = _____ mm

3. 25 cm = _____ mm

4. 100 mm = _____ m

5. 165 mm = _____ m

6. 5 mm = _____ km

7. 500 km = _____ m

8. 700 cm = _____ km

9. 7 km = _____ m

10. 35.5 cm = _____ m

Convert the following:

1. 20 kg = _____ g

2. 7.5 g = _____ mg

3. 500 kg = _____ g

4. 10 g = _____ kg

5. 700 kg = _____ g

6. 500 g = _____ mg

7. 100.5 g = _____ kg

8. 10.5 g = _____ mg

9. 150 g = _____ kg

10. 50 g = _____ kg

11. 5000 mg = _____ kg

12. 75000 mg = _____ kg