

Week #4: April 27-May 1, 2020

Junior High Science

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Hello students! I hope all of you are staying healthy. I just want everyone to know that I am thinking of you and miss having school as normal. Remember to keep your immune systems strong! Basic directions are: You need to complete one lesson a week for only the class you were currently enrolled in and choose from the 3 choices. Choices 1 & 2 are for review of material we have already covered this year. I will start at the beginning and go through the year's material. Choice #3 will always be new work using your textbook or other handouts I include. I will make every effort to keep your work simple to do, considering that we are not learning together in the classroom. Your work should be turned in as a hard (paper) copy to the office or through email in a word or google document. My email is: debra.welch@oakland5.org. Please be sure all work has your name! If you have not turned in the assignment by the following Monday, I will need to email your parents and/or place a phone call home. Please be diligent to turn work in on time. I suggest you set up a schedule just as if you were at school and allow for the normal time period. Most assignments I send you will take less time than our normal 40 minutes. Comments will be made on paper copies and returned to you. If you send in homework answers as an email I will reply to your email and give my comments/reflections of your work. I will be supplying you with the necessary notes or you will need to use your book to find the answers. If you have any questions feel free to email me and I will get back to you by email during my office hours. If you can't email feel free to call the office and leave me a message. Good Luck and stay healthy!

See Assignments on following page:

Class	Choice 1	Choice 2	Choice 3 (Enrichment)
8th Grade Life Science	Metric Questions 1-3; review notes in text over metric system on pg 12 & p842-843.	Do Metric Questions 1-6	Viruses: Use your notes from last week & Chap 2-3 in text to fill out worksheet. Do R-35 Part A&B And SG on "Viruses"
6th Grade General Science	Fill out Metric Chart: Row 1 use Gram Row 2 use Liter Row 3 use Meter	Fields of Science worksheet: do 1-25 using wordlist on page 2.	Refer to the powerpoint notes provided last week on "Weather" and textbook. READ and keep the new notes provided and do: Directed Reading p21.

Show your work!!

Name: _____

Metric Notes:

4/27-5/11 8th gr (Welch)
Choice 1

There are 3 basic standard units we will discuss:

- 1) Measures length - meter (m)-----> instrument used is the _____
- 2) Measures mass - gram (g) -----> instrument used is the _____
- 3) Measures volume - liter (L)-----> instrument used: _____

Mass: the amount of matter in an object (or measure of the

Volume: the amount of _____

We determine volume in 3 ways:

1. pour _____
2. calculate the volume of a "regular" solid by this formula:

$V =$ _____

$V =$ _____

units for this are in _____

3. calculate the volume of an "irregular solid" by _____

Pour water into grad. cylinder about halfway. Drop object slowly into cylinder
Record the amount of water level that goes up. The amount of water that goes up
is equal to the volume.

40 ml - 35 ml = _____

Discussed the use of the balance: Triple Beam Bal. Calibrate the balance first in order
to be sure it is at zero.

Using a meter stick: Divide into 100 equal parts: 1m = _____ centimeters (cm)
Divide into 1000 equal parts: 1m = _____ millimeters (mm)
Multiply 1 m by 1000: 1000m = _____ kilometer (km)

Metric Questions

Name _____ Date 4/27-5/1

1. Complete the following chart by placing the name of the basic metric units used for measure as well as that unit's symbol.

Quantity Measured	Unit	symbol
Length		
Mass		
Time		
volume		
Temperature		
Amount of substance		
Electric current		

2. Length

- a. How defined? _____
- b. Base unit for measure _____
- c. Tools used to measure _____
- d. What are 2 other units associated with the meter stick?
_____ and _____.
- e. What conditions determine units being measured? _____
- f. The units of measure are based on powers of _____.

3. Solve these problems:

- a. How many centimeters are in 1 meter? _____
- b. How many millimeters are in 1 meter? _____
- c. A bookshelf is 75 cm wide. How many decimeters is this? _____ (hint: 10 cm = 1 dm)

4/27-5/1
8th gr Choice 2
(Welch)

4. Volume-

- a. How defined? _____
- b. What formula is used to determine the volume of a solid REGULAR object? _____. Units may be: _____ or _____.
- c. What is meant by derived units? _____
- d. How is volume of a liquid measured? _____
- e. What are the units for liquid volume? _____
- f. What is the relationship between the volume of 1 ml & 1 cubic cm?

5. MASS

- a. How defined? _____
- b. What units are used? _____
- c. What tools are used for measurement? _____

6. Temperature

- a. How is temperature defined? _____
- b. List 3 units for temperature scales used in science _____
- c. What is the SI unit for temperature? _____

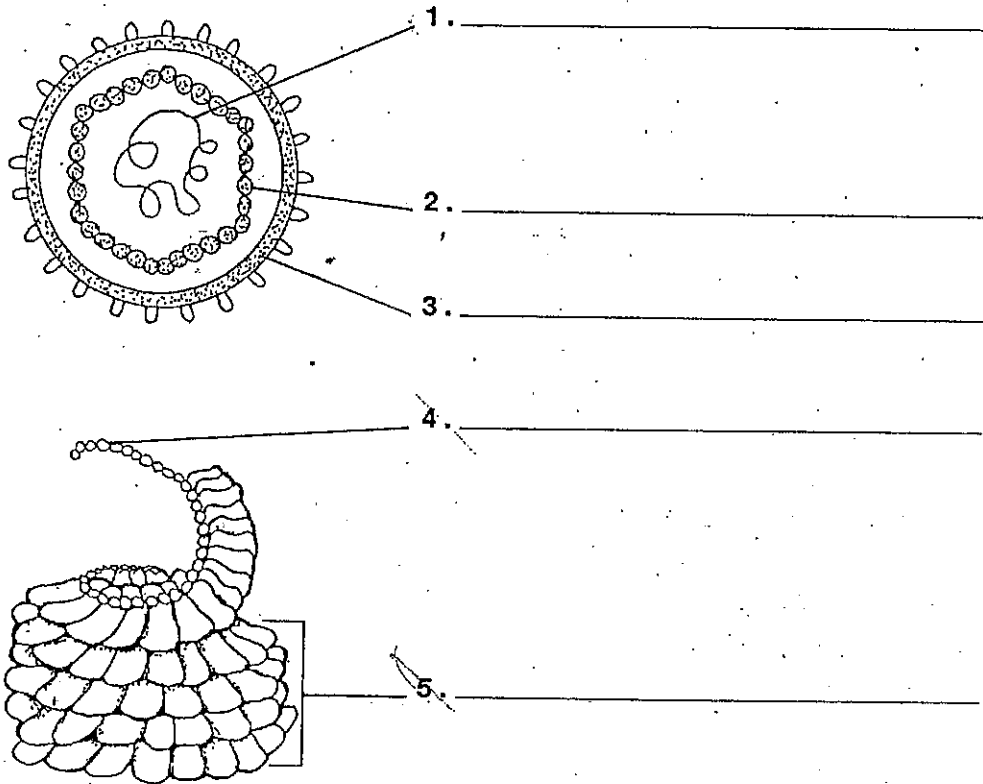
Viruses and Monerans

8th (Welch)

Choice 3

Viruses

Part A: Label the parts of the two viruses. Use these labels: capsid, nucleic acid, and membrane.



Part B: Complete the table by giving the way each disease is spread. Use these ways: airborne, animal bites, insect bites, contaminated food or water.

Table 1 How Diseases Are Spread

Diseases	How Spread
1. Measles	
2. Rabies	
3. Tuberculosis	
4. Encephalitis	
5. Hepatitis	
6. Common cold	

Name _____ Date 4/27-5/1 Class _____
8th gr (Welch) Choice 3

VIRUSES

In your textbook, read about viruses in Section 4:1.

- 1. Use the words *chromosome-like part* and *protein coat* to label the bacterial virus shown below.
- 2. List six traits of viruses.

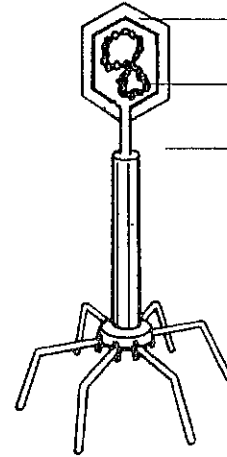
- a. _____

- b. _____
- c. _____

- d. _____

- e. _____

- f. _____



- 3. Study the incorrect statements about viruses below. Change the underlined word or words to make each sentence correct. Write the correct new word or words on the line to the right.

- a. Viruses cause disease only in humans. _____

- b. Each kind of virus infects many hosts. _____

- c. The rabies virus will infect only the digestive system of mammals. _____
