Name: _____ Date: March 11, 2020____

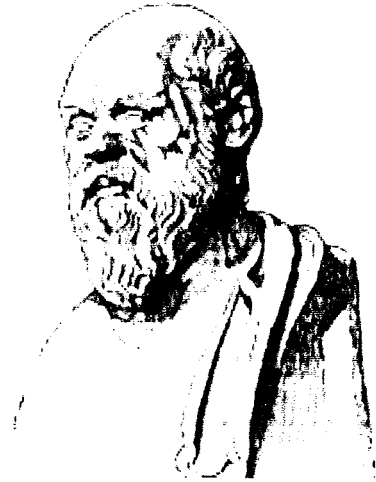|	
Math:	1 Step Equations In Real Life +, − nb 25 & 26 hmwk wksht
Social Studies:	- **Section II Democracy in Greece** - **4 governments of Greece** **HW: Socrates**
ELA:	Daily Warm Up Independent Reading Selection
Science	① Owed pages 5-6 are attached ② Reviewed Pg 5 ③ DISCUSSION = FRONTS (see attached) ④ LAB (NB Pg 8)
Computer Apps/ Technology	

Socrates

Ancient Greece had many famous philosophers. Among them, Socrates is perhaps the most famous, but the least understood. The reason for that is because Socrates never wrote anything down. After he died in 399 B.C., many of his supporters (such as Plato, Aristotle, and Xenophon) tried to preserve his memory, so they wrote books about him. In their work, they liked to portray him doing what he was known best for -- making conversation. They published his dialogues and kept his ideas floating. But since those sources were not first-hand and were often conflicting, it is impossible to tell if they truly reflected Socrates' views.

Socrates was born in Athens on June 4, 470 B.C. At the time of his birth, his home country, the Athenian Empire, was at the peak of its power. But that was about to change. In 431 B.C., Sparta invaded Athens and held the city under siege. The two sides were at a standoff for nearly thirty years. By the time the so-called Peloponnesian War was finally over in 404 B.C., Athens had lost most of its population, its prized navy, and much of its wealth. The defeat destroyed Athens completely. Never again could it rise up and reclaim its glory!

As a person who had seen both the good and the bad days of Athens, Socrates told his fellow citizens to think and question everything around them. For example, he would ask what the true meaning of justice was. He would wonder what the true meaning of wisdom was. Often times, he would throw out a question and let people answer it. When they responded, he would then ask more questions and press them to think deeper. As the dialogue continued, those who called themselves knowledgeable would suddenly find themselves not as wise. The discovery made many second-guess their beliefs. It also made many uncomfortable and even angry.

To the Athenians, Socrates was a controversial figure. On one extreme, there was Plato who openly praised the man. On the other extreme, there was Aristophanes who clearly disliked him. In 423 B.C., Aristophanes wrote a play called *The Clouds*. In it, he mocked Socrates and labeled him as a Sophist. (A Sophist in the fifth century B.C. meant a person who taught others, in exchange for fees, how to speak and what arguments to make during public debates. The notion carried a negative undertone.)

The plot of *The Clouds* began with Strepsiades lamenting about his son's gambling addiction and growing debts. Strepsiades loved his son, Pheidippides, dearly. He hated to see him spending all his time betting on horse races. He tried to reason with him several times. But nothing he said made any difference. One day, after another sleepless night, Strepsiades came to Socrates' school, the Phrontisterion or "Thinkery." He wanted to learn how he could talk his way out of paying debts. Socrates took the old man in and gave him some brief lessons. Impressed by what he had heard so far, Strepsiades told Pheidippides to study at the school with him. Both the father and the son were very good students. But how they applied their knowledge later on turned out to be completely different. In Strepsiades' case, he used smart arguments to fend off the creditors and avoid paying

them altogether. In Pheidippides' case, he beat up his father and calmly explained why this horrific act of his was morally acceptable. At last, Strepsiades came to see what nonsense the Thinkery was teaching and burned the school down.

Aristophanes' *The Clouds* was funny and cleverly written. While the entire story was made-up, many who had seen the show simply walked away with the distorted image of Socrates. They believed that Socrates was indeed what Aristophanes had painted in the play. They believed that he was a Sophist. They believed that he was a bad influence on the younger generations.

In 399 B.C., the authorities of Athens accused Socrates of impiety and corrupting the youth. They brought him to trial. At court, Socrates defended himself forcefully. He denied that he was a Sophist. He rejected the idea that he corrupted the youth. He said that a lot of people disliked him simply because he had pointed out their ignorance. Socrates always maintained that he was an ignorant man. The fact that he knew of his own ignorance actually made him wiser than those who refused to admit it. As passionate as this speech was, Socrates could not sway the jury. They found him guilty and sentenced him to death. The verdict did not shock Socrates. He took the bad news calmly. On May 7, 399 B.C., he swallowed some poison and died.

Socrates

Questions

_____ 1. Where was Socrates from?
   A. Athens
   B. Sparta
   C. Macedon
   D. Thebes

_____ 2. Which of the following about Socrates is true?
   A. Socrates died of a natural cause.
   B. Socrates was born after the Peloponnesian War.
   C. Socrates claimed himself the smartest person in Greece.
   D. Socrates loved to ask questions.

_____ 3. For how many years did the Peloponnesian War last, and who won?
   A. 15 years, Athens
   B. 27 years, Sparta
   C. 35 years, Athens
   D. 43 years, Sparta

_____ 4. Which of the following of Aristophanes' plays made fun of Socrates?
   A. *The Wasps*
   B. *The Birds*
   C. *The Knights*
   D. *The Clouds*

_____ 5. What was the name of Socrates' school in Aristophanes' play that debuted in 423 B.C.?

    A. The University
    B. The Library
    C. The Thinkery
    D. The Academy

_____ 6. What was the accusation against Socrates?

    A. corrupting the youth
    B. beating his own father
    C. burning down a school
    D. evading gambling debts

_____ 7. Which of the following was NOT a supporter of Socrates?

    A. Aristotle
    B. Xenophon
    C. Plato
    D. Aristophanes

_____ 8. Which of the following about Socrates is true?

    A. Socrates penned all his work under the name of Plato.
    B. Socrates encouraged his fellow citizens to question everything around them.
    C. Socrates was set free after the trial in 399 B.C.
    D. Socrates admitted that he was a Sophist.

CALCULATING DENSITY

Write the equation for calculating density here.

$$D = \frac{M (g)}{V (ml)}$$

Density is $\frac{Mass}{Volume}$ divided by

Transfer the mass and volume data from the board into the table below. Calculate the density of the four solutions. Show your math work. Then solve the density problem at the bottom of the page.

$$D = \frac{M}{V}$$

$$D = \frac{41}{35}$$

(use calculator)

$35\overline{)41.00}$

Include label

Solution	Volume	Mass	Density
Red	20	20	1.0 g/ml
Yellow ~~Green~~	20	20.5	1.01 g/ml
Green ~~Yellow~~	20	21.4	1.07 g/ml
Blue	20	24.0	1.2 g/ml

$$D = 1.17 \text{ g/ml}$$

V

M ← Include active Reading

Bianca and Joel mixed up a new salt solution and put in blue and red food coloring to make it purple. They then weighed 35 ml of the solution and found its mass to be 41 g. Where would the purple layer form if it were used with the four solutions above? Show your math.

The density of the purple solution is ___1.17 g/ml___ (round your answer)

The purple solution would form a layer ___above the Blue (1.2 g/ml)___ and below the green 1.07 g/ml

Name: _____ Date: _____ Science 6 HOMEWORK

Response Sheet—Convection

Rico wanted to make a shake-up toy for his little sister.

He had some little plastic stars and leaves. His plan was to put the stars and leaves in a jar and fill it with liquid. When you shake the jar, everything swirls around together. Then the stars slowly float to the surface, and the leaves settle to the bottom.

Rico mixed up 500 cc of salt solution. He weighed it and found its mass to be 585g. Will his shake-up toy work the way he wants it to if he uses this salt solution? Why or why not?

Remember, 1 ml = 1 cc.

Show your math.

Object or material	Density
Stars	1.12 g/cc
Leaves	1.25 g/cc
Salt solution	

_____

_____

_____

_____

_____

Extension: <mark>(3/10/20)</mark>

When we have the same volume (ml) of a material and the materials have a greater mass (g), we can prove that the material has a greater density.
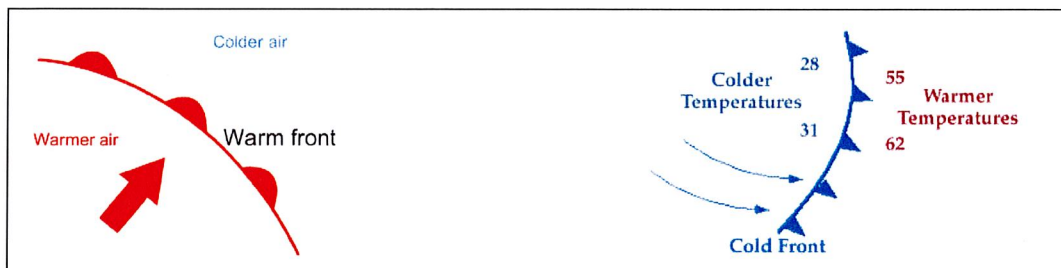
Data: **(Use this data chart with page 5)**

Density Equation:

$$D = \frac{M_{(g)}}{V_{(ml)}}$$

Liquid	Volume (ml)	Mass (g)	$\frac{M(g)}{V(ml)}$	D=g/ml
Red	**20.0ml**	**20.0**	$\frac{20.0}{20.0}$	**1.0 g/ml**
Yellow	20.0ml	21.5	$\frac{21.5}{20.0}$	1.08 g/ml
Green	20.0ml	22.5	$\frac{22.5}{20.0}$	1.13g/ml
Blue	20.0 ml	24.0	$\frac{24.0}{20}$	1.2 g/ml

Claim / Evidence (How can liquids of different colors be layered?)

(Will be done in class 3/11/20)

_____

_____

_____

_____
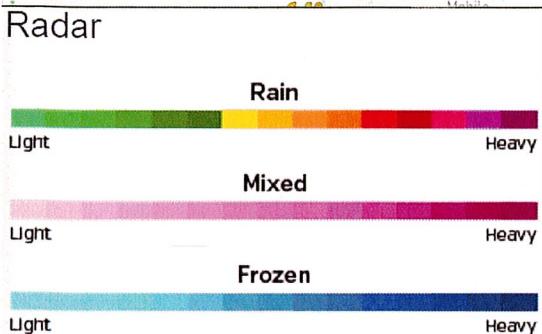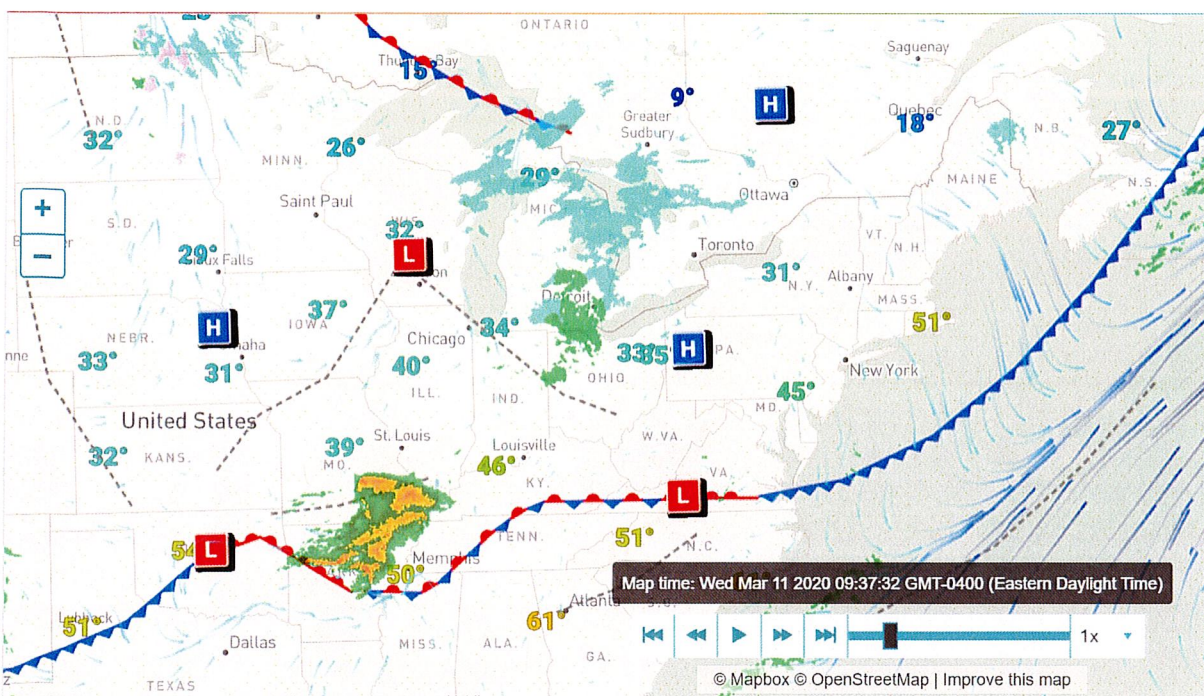
Science Today 3/11/20:

1. Agenda: None, unless INV #5, page 5-6 are owed
2. Review HW Page 5-6, staple back into your binder ;
3. Draw: NB Page 7 WARM FRONT   and   COLD FRONT symbols

4. **WARM-UP / Discussion**: Below is a snapshot of today's National Surface Map with the key for the Radar (precipitation).
   A. Name the direction the cold front is moving _____
   B. Name two specific locations where a cold front is mixing with a warm front. _____ and _____
   C. What kind of precipitation is forming near the (stationary front) where the cold and warm fronts have collided? _____

Radar

Name _____

Date _____ Pd _____

p 25

ONE-STEP EQUATIONS IN REAL-LIFE

Equations can be used to find missing _information_ and solve _Problems_.

1. The charge for a microwave repair visit was $81.21, including tax. If the tax was $6.70, then how much was the repair visit? ?

i KNOW: $tx = 6.70$ total 81.21	i NEED TO KNOW: Cost of repair

PLAN AND WORK:	MY SOLUTION:
$81.21 = 6.70 + x$ $x + 6.70 = 81.21$ $\underline{-6.70 = -6.70}$ $x \qquad = 74.51$ $\begin{array}{c} 81.21 \\ \hline 6.7 \mid x \end{array}$ Check: $81.21 = 6.70 + x$ $81.21 = 6.70 + 74.51$ $\checkmark 81.21 = 81.21$ True	It cost $74.51 to repair the microwave.

2. According to CBS, in 2010 the average cost of a Super Bowl ticket was $3,509. This is $441 less than the cost of a 2015 ticket. How much was a ticket in 2015?

i KNOW: 2010 $3509 2015 $441 More than 2010	i NEED TO KNOW: Cost in 2015 x

PLAN AND WORK:	MY SOLUTION:
$3509 = x - 441$ $x - 441 = 3509$ $\underline{+441 \quad + 441}$ $x \qquad = 3950$ Check: $3509 = x - 441$ $3509 = 3950 - 441$ $3509 = 3509$ True	The Super Bowl ticket cost $3950 in 2015.

Read each problem, define a variable, write an equation, and solve for the missing number.

3. The class average on test 1 was 84. The class average on test 2 was 8 points lower. What was the class average on test 2? Variable: $X = avg\ test\ 2$ Equation: $X + 8 = 84$ $X + 8 = 84$ $X + 8 = 84$ $-8\ \ -8$ $76 + 8 = 84$ $X\ \ \ 76$ $84 = 84$ true **76**	4. A Jaguar XJ220 is 41 mph slower than a Bugatti Veyron, which can travel 253 mph. How fast does the Jaguar XJ220 travel? Variable: $X = Speed\ Jaguar$ Equation: $X + 41 = 253$ or $253 - X = 41$ **212 mph**
5. A fence surrounds two sides of the backyard. The total length of the fence is 86 feet, with the longest portion measuring 51.5 feet. What is the length of the second side of the fence? Variable: $X = length\ of\ side\ 2$ Equation: $X + 51.5 = 86$ **34.5 ft.**	6. In 1990 the average school lunch cost was $1.50, and it costs $2.85 more today. How much does the average school lunch cost today? Variable: $X = Cost\ Lunch\ today$ Equation: $X - 1.50 = 2.85$ **$4.35**
7. The Burj Khalifa skyscraper in Dubai is 2,722 feet high. The KYLT-TV mast in North Dakota is the tallest U.S. building, measuring 659 feet shorter than the Dubai skyscraper. How tall is the KYLT-TV mast? Variable: $height\ of\ KYLT\text{-}TV\ mast$ Equation: $X + 659 = 2722$ **2063 ft**	8. Your little sister is too small to stand on the scale. You decide to get on the scale with her and find your combined weight to be 112 pounds. You know that you weigh 94 pounds. How much does your little sister weigh? Variable: $X = Weight\ of\ sister$ Equation: $X + 94 = 112$ **18 lbs**
9. The average precipitation in Portland, Oregon is 35.98 inches. Scottsdale, Arizona has an average precipitation of 10.32 inches. What is the difference in the two cities' average annual precipitation? Variable: _____ Equation: _____	10. The high school dance team has 88 members, and 17 of them hold a position on the student council as well. How many members are on the dance team but not on the student council? Variable: _____ Equation: _____

ONE-STEP EQUATIONS iN REAL-LiFE

All work & Checks →

Answer each of the questions below. Be sure to show your thinking.

Pick 2

1. $9.5 + x = 14.2$	2. $x - 10.9 = 16.7$	3. $x - 5 = 37$

Pick 3

4. The average annual precipitation in Berkeley, CA is 26.8 inches. Albany, NY has an average precipitation of 39.4 inches. What is the difference in the two cities' average annual precipitation? Equation: _____ Solution: _____	5. The high school marching band has 196 members, and 28 of them are a part of the percussion. How many members are on the marching band but not a part of the percussion? Equation: _____ Solution: _____
6. On his lunch break, Crosby purchases a piece of pizza and a salad. The total order is $9.25. If the pizza cost $6.30, then how much was the salad? Equation: _____ Solution: _____	7. According to CBS, in 2000 the average cost of a World Series ticket was $450. This is $180 more than the cost of a 2007 ticket. How much was a ticket in 2007? Equation: _____ Solution: _____

Pick 2

8. $x + 8.8 = 14.2$	9. $x - 65 = 15$	10. $x + 16 = 16$

Work & Checks