Cohen Middle School
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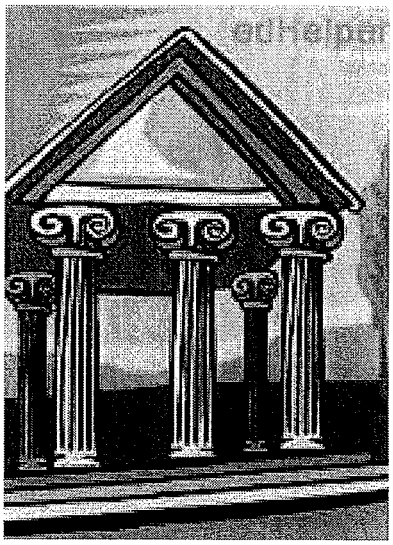
Name: _____ **Date: March 12, 2020**____

Math: • 1÷ Real Life One Step Equations nb 29 & 30 hmwk wksht.
Social Studies: - **4 governments of Greece** **HW: Greek Architecture**
ELA: Daily Warm Up Finish Ind. Reading Selections Online Quiz
Science (1) Hand in (let me see) Page 5-6 if absent/owed from wed (2) Copy Notes onto pg 9 (3) complete page 10 (Heat Transfer) (4) Weather Fronts Simulator + Organizer
Computer Apps/ Technology

Name: _____ edHelper

Talented Greek Architects



The ancient Greeks were talented. They wrote big poems. They did marble sculptures. They also designed beautiful buildings, especially in the city of Athens. Some things you see on buildings today were found in ancient Greece.

An architect designs buildings. The Greek architects were smart. They designed the Parthenon as a temple to Pallas Athena. It had a rectangular shape. It had columns all on its sides. It used to be red, blue, and gold. Inside the temple stood a large, gold-and-ivory statue. Pericles was in charge of this temple. People in Athens were proud of it.

Today, the colors of the Parthenon have disappeared. It is plain and cream-colored. People still think that it was the most important building in history. Architects everywhere copied its classical style. They liked its dazzling columns.

The Greeks used columns in many buildings. They had three kinds. Doric columns were fat and sturdy. Ionic columns were skinny. Corinthian columns were fancy. Their tops looked like a bunch of ruffled leaves.

Many buildings today have columns that look like they came from ancient Greek temples. The Greek architects were so talented that we still use their ideas hundreds of years later!

Talented Greek Architects

Questions

_____ 1. What is the name of someone who designs buildings?

A. a chef
B. an architect
C. a sculptor
D. a poet

_____ 2. Who was in charge of building the Parthenon?

A. Pericles
B. the Pink Panther
C. Pallas Athena
D. Poseidon

_____ 3. Which god or goddess was honored by the Parthenon?

A. Pallas Athena
B. Poseidon
C. Aphrodite
D. Apollo

Name: _____ edHelper

_____ 4. The Parthenon used to be colorful. Check all the colors of its ancient walls.

A. green
B. red
C. blue
D. gold

_____ 5. What color is the Parthenon today?

A. white
B. brown
C. cream
D. black

_____ 6. What kind of column was especially fancy?

A. Doric
B. Ionic
C. Corinthian
D. none of the above

_____ 7. What was around the outside of the Parthenon?

A. chain link fences
B. columns
C. gods
D. horses

_____ 8. What shape was the Parthenon?

A. oval
B. square
C. round
D. rectangular

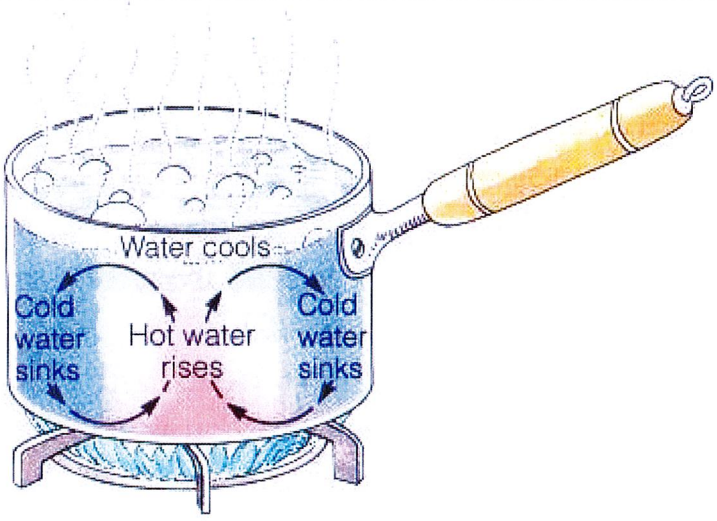
Name: _____ Date: 3/12/20 Period: 2 3 5 6 7

(If you were absent, This is Investigation #5, Page 9 - 10)

Focus Question: How does energy transfer impact the movement of warm and cool air masses?

Task 1: Can water of two different temperatures form layers? **Yes** **No**

Copy onto ↓ Page 9 in Your NB.



Explanation:

- **Convection** is the movement of fluids due to a difference in density, resulting from temperature.
- **As matter heats up, it expands, causing the matter to become less dense.**
- **Convection is the circulation of fluid (liquid or gas) that results from energy transfer; warm masses rise and cool masses sink.**

Use www.fossweb.com (PerrysScience, ScienceRocks) "Water & Weather" Heat Energy. Use the definitions as evidence for the three types of heat transfer.

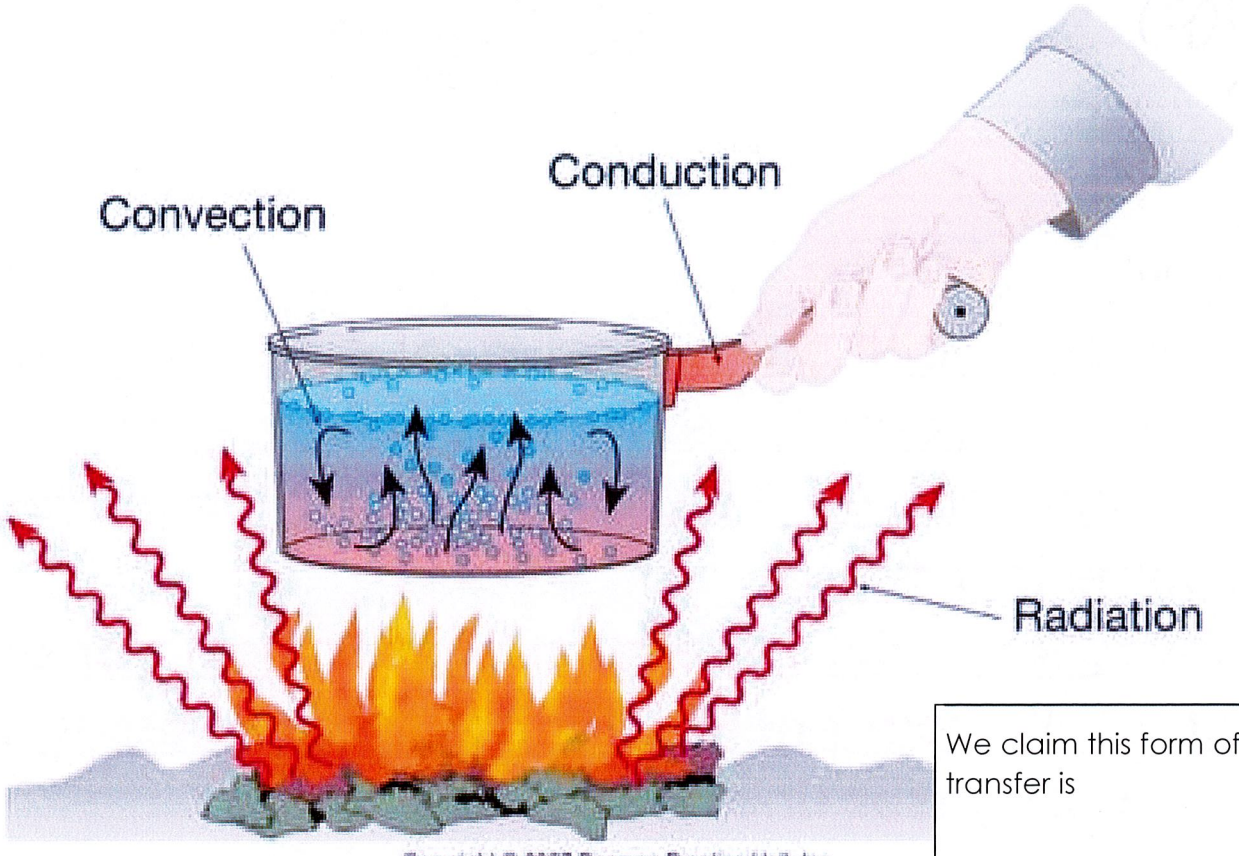
THREE TYPES OF ENERGY TRANSFER

We claim this form of energy transfer is

We know this because **CONVECTION is**

We claim this form of energy transfer is

We know this because **conduction happens when**



We claim this form of energy transfer is

We know this because

Science 6

Name: _____ Date: **March 12, 2020**

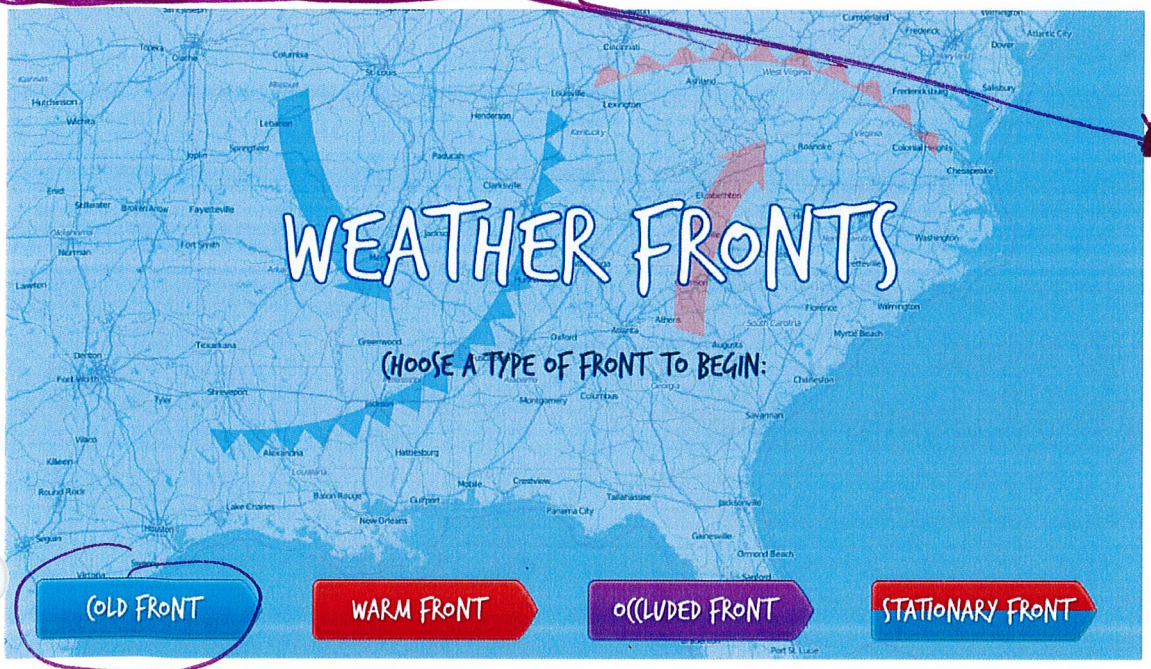
Resource: https://learn.weatherstem.com/modules/learn/lessons/105/index.html In class

WeatherSTEM ACTIVITY

Weather Fronts

READ

A *front* is a transition zone between two *air* masses of different densities. Fronts bring changes in *temperature*, *dew* point, winds and *pressure*. They can also bring *precipitation*. Select each type of *front* below, then click-and-drag to see how it brings different *weather* conditions. To learn more about the type of *front*, click on the name.



DEFINE

What is a front?

_____

_____

_____

_____

_____

_____

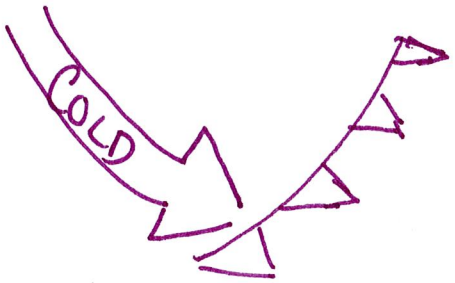
Click on the Links

(FINISH)

Cold Front:

"A cold front happens when _____ air, _____ Denser than _____ air, pushes against the _____ air and slides underneath. The warm Air is forced _____ and as it rises it _____, _____, and loses its ability to _____ creating _____ and more _____

Draw it (with arrows, clouds, rain):



Warm Front:

Draw it (with arrows, clouds, rain):

"A warm front happens when _____

Air moves in on _____.

Because the warm air is _____ dense

Than cold air, it rises **above**. The warm

Front pushes the cold air _____

Against the earth and away. In this _____

Process, it (air) _____, _____

and loses its ability to hold _____."

****DESCRIBE the kind of weather it brings:**

_____

_____

Stationary Front is formed when two air masses with

_____

_____

_____

"An Occluded Front is formed when a _____ front overtakes a _____front." One body of _____ air approaches another, and the _____ air is _____ in between.

Unit: Equations & Inequalities
Student Handout 5

Name _____
Date _____ Pd _____

ONE-STEP EQUATIONS IN REAL-LIFE

Equations can be used to find missing information and to solve problems.

1. The cell phone bill recorded that Jeremiah sent 532 text messages last week. On average how many text messages did he send each day?

I KNOW:	I NEED TO KNOW:
532 text messages in a week 7 days in a week	How many text messages did Jeremiah send per day?

PLAN AND WORK:

$\frac{532}{7} = \frac{7x}{7}$

$76 = x$

Check:

$532 = 7x$

$532 = 7 \cdot 76$

$532 = 532$

True

MY SOLUTION:

Jeremiah sent 76 text messages per day.

2. On Friday afternoon Maggie and her two friends washed their neighbors cars in order to make some money. They split the payment equally and each walked away with $3.50. How much did the neighbor pay them for washing the cars?

I KNOW:	I NEED TO KNOW:
3 people each got $3.50	What was the total cost of the carwash?

PLAN AND WORK:

$3 \cdot \frac{x}{3} = 3.50 \cdot 3$

$x = 10.50$

Check: $\frac{x}{3} = 3.50$

$\frac{10.50}{3} = 3.50$

$3.50 = 3.50$ ✓

MY SOLUTION:

It cost $10.50 to wash the car.

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

3. A deck of game cards was dealt equally among six players. Each player received 7 cards. How many cards were dealt?

$\frac{X}{6} = 7$

Variable: 6

Equation: X = # Cards

42 cards

4. Each week you spend $18 on school lunches. At the end of a 36-week school year, how much money have you spent on school lunches?

Variable: X = $ school lunches

Equation: $\frac{X}{36} = \$18$

$648

5. The perimeter of a square measures 26 cm. What is the length of the side of the square?

Variable: X = length

Equation: 4x = 26

6.5 in

6. A Netflix subscription is on sale for $41.94 for six months. What is the cost per month?

Variable: X = $ per month

Equation: 6X = 41.94

$

7. Sally's Bake Shop sells a box of brownies. Jonah divides the brownies amongst five friends. If each friend receives 3 brownies, then how many brownies are in the box?

Variable: X = # brownies total

Equation: $\frac{X}{5} = 3$

15 brownies

8. Molly and her four friends are attending the opening of a movie. They purchase tickets, popcorn, drinks, and candy for a grand total of $56.00. They decide it is easiest to split it evenly. How much does each person owe?

Variable: X = $ each person owes

Equation: 5X = $56

$11.20

9. In preparation for Thanksgiving dinner, Mrs. Waters orders an 18-pound turkey. She determines that this will be enough to feed 12 people. How many pounds of turkey is she planning per person?

Variable: X = lbs per person

Equation: 12x = 18

1.5 lbs

10. A rectangle has an area of 82 ft². What is the length if the width is 10 ft?

A = bh

A = lw

Variable: X = length

Equation: 82 = 10x

8.2 ft

Unit: Equations & Inequalities
Homework 5

Name _____

Date _____ Pd _____

*pick 4

ONE-STEP EQUATIONS IN REAL-LIFE

work & check

Complete the table below by defining a variable, writing an equation, and then solving.

PROBLEM	EQUATION	WORK/SOLUTION
1. Hank and his two friends are attending a concert. They purchase tickets and parking for a total of $129.00. They decide it is easiest to split it evenly. How much does each person owe?	V: _____ E: _____	
2. A rectangle has an area of 135 ft^2. What is the length, if the width is 9 ft?	V: _____ E: _____	
3. Jose has $34 to spend at the Texas State Fair. If the entrance ticket costs $12, then how much money does Jose have to spend on food and games?	V: _____ E: _____	
4. Paul rode his bike 79 miles last month. He rode 23 miles during the last half of the month. How many miles did he ride during the first half of the month?	V: _____ E: _____	
5. A wood beam is divided into four equal segments. Each segment measures 3.5 feet long. What is the length of the wood beam?	V: _____ E: _____	