Note: Teachers may use multiple formats - check each format for your teachers' names.

High School Blizzard Bag Information Days 7-9

The following teachers are using **Google Classroom** for their make-up work. Please sign-in to your classrooms to access your work.

Penny Mast
Chris Cabot
Rebecca Wells
Amy Lott
Nate Carpenter
Chad Lahna
Jill Bryan
Logan Pyers
John Slusser
Carissa Dickerson
Haley Evans
Savannah Slusser
Dusty Shroyer
Lester McCurdy
Matt Wells
Adam Frey
Jane Buehler
Sue Davis
Kelly Cappel

The following teachers are using **Study Island** for their make-up work. Please sign-in to your study island account to access your work.

Todd Cabot

The following teachers are using **Hard Copy Worksheets.** These should have been sent home with the students. Additional copies are available below. Scroll down to view the Hard Copy Worksheets.

Jill Collins
Jill Bryan
Tracy Neal
Duke Stark
John Lindig
Mike Ondayko
Justin Seibert

Day #7

Blizzard Bag

Hard Copies

Name: _____ Grade:_____Period:____

Go To www.mrsoshouse.com or google.

April Facts Internet Hunt

Directions: Click on the link to go to a web site with the answer to the question.
Once you find it, try using the **Go** Menu, of your browser, to return to this web page.

1. April Fool's Day began many years ago in France. What event started it?

2. If you go outside in an April rain, you may see many earthworms.

Why do they come out in the rain?

4. They say April showers bring May flowers. But I don't think they meant the Lyrid meteor showers that come each April.
Why is it difficult for many people to see a meteor shower?

5. Look it up. In April 1861, Anna Etheridge enlisted in the 2nd Michigan Volunteer Regiment.

How did she serve her nation?

Name _____ Class SEYBERT Date #7

Reviewing Key Concepts

Completion *On the lines provided, complete the following sentences.*

Two main sources of genetic variation are _____ (1.) and _____ (2.).

The number of _____ (3.) produced for a given trait depends on how many _____ (4.) control the trait.

Short Answer *On the lines provided, answer the following questions.*

5. Describe the source of genetic variation that involves changes in the DNA code.

6. Why is a widow's peak considered a single-gene trait?

Reviewing Key Skills

7. **Calculating** A particular gene pool contains only two alleles, G and H, for an inheritable trait. If allele G has a relative frequency of 42 percent, what is the relative frequency of allele H?

8. **Inferring** Analysis shows that an organism may have a mutation, yet the organism's phenotype has not been affected. From this observation, what can you infer about the mutation?

9. **Comparing and Contrasting** How are mutations and gene shuffling alike? How do they differ?

10. **Comparing and Contrasting** What is one difference between a single-gene trait and a polygenic trait?

Name _____ Class SEIBERT Date #7

Reviewing Key Concepts

Short Answer *On the lines provided, answer the following questions.*

1. How might natural selection on single-gene traits lead to evolution?

_____

2. What is directional selection?

_____

_____

3. In stabilizing selection, how does the fitness of individuals at the center of the curve differ from the individuals at either end?

_____

4. How does disruptive selection result in two distinct phenotypes?

_____

_____

5. What occurs during genetic drift?

_____

Completion *On the lines provided, complete the sentences in the following paragraph.*

There are five conditions required to maintain genetic equilibrium. First, _____ (6.) ensures that every member of a population has an equal chance to pass on its genes. Second, an extremely large population is necessary to minimize genetic drift. Third, the population's gene pool must be kept _____ (7.) from other gene pools. Fourth, genes must not mutate from one form to another. Finally, so that all genes have an equal probability of survival, there can be no _____ (8.).

Reviewing Key Skills

9. **Applying Concepts** You examine these two beaks: One is narrow and needlelike. The other looks like a pair of pliers. Explain whether these beaks could have resulted from a single example of stabilizing selection.

_____

_____

_____

MR. STARK PHYSICAL SCIENCE

Name _____ Class _____ Date _____

Chapter 3 States of Matter

WordWise

Answer the questions by writing the correct vocabulary term in the blanks. Use the circled letter in each term to find the hidden vocabulary word. Then, write a definition for the hidden word.

DAY 7

Clues	Vocabulary Terms
What is the process that changes a substance from a liquid to a gas below the substance's boiling point?	_ _ _ O _ _ _ _ _ _ _ _
Which gas law states that the volume of a gas is directly proportional to its temperature?	_ _ _ O _ _ _ _ _ _ _
What is the phase change in which a substance changes directly from a gas to a solid?	_ O _ _ _ _ _ _ _ _ _
In what state does matter have both a definite shape and a definite volume?	O _ _ _ _
What is the phase change in which a substance changes from a gas to a liquid?	_ _ _ _ _ _ O _ _ _ _ _
What is the phase change in which a substance changes directly from a solid to a gas?	_ O _ _ _ _ _ _ _ _ _
During what type of phase change does a substance release energy to its surroundings?	_ _ _ _ _ _ O _ _ _
During what type of phase change does a substance absorb energy from its surroundings?	O _ _ _ _ _ _ _ _ _ _

Hidden Term: _ _ _ _ _ _ _ _

Definition: _____

_____

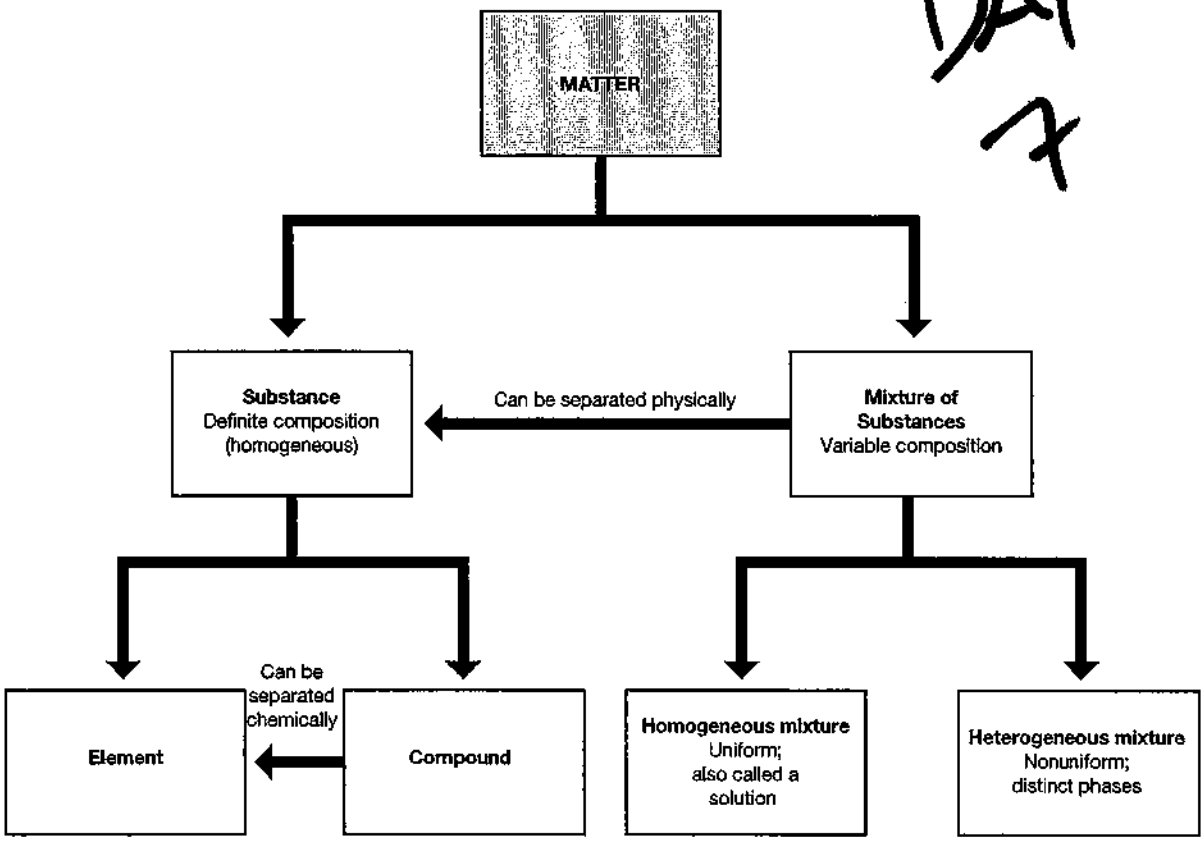
MR. STARK Chemistry PG 1

Name _____ Date _____ Class _____

2 INTERPRETING GRAPHICS

Use with Section 2.3

DAY 7



MR. STACK CHEMISTRY PG 2

Name _____ Date _____ Class _____

Use the flowchart on the previous page, redrawn from Figure 2.8 in your textbook, to answer the following questions.

1. Motor oil is available in various grades (10W30, 10W40, and so on). Is motor oil a homogenous mixture or a compound? Explain.

_____

_____

_____

2. Iron ore is a heterogenous mixture that contains iron oxide. Iron ore can be smelted to produce pure iron. Is iron smelting a chemical or physical process? Explain.

_____

_____

_____

3. Classify each of the following as physical or chemical separations.
   a. air → oxygen + nitrogen

   _____

   b. water → hydrogen + oxygen

   _____

   c. salt water → water + sodium chloride

   _____

4. Classify each of the following as mixtures or substances.
   a. sulfur

   _____

   b. air

   _____

   c. concrete

   _____

   d. water

   _____

MR SHARK PHYSICS DAY 1

Date _____ Period _____ Name _____

CHAPTER 2

Study Guide

Representing Motion

Vocabulary Review

Write the term that correctly completes the statement. Use each term once.

average speed	instantaneous position	origin	resultant
average velocity	instantaneous velocity	particle model	scalar
coordinate system	magnitude	position	time interval
displacement	motion diagram	position-time graph	vector
distance			

1. _____ The speed and direction of an object at a particular instant is the _____.
2. _____ Another term given for the size of a quantity is the _____.
3. _____ The _____ is the location of an object relative to an origin.
4. _____ The formula $t_f - t_i$ represents _____.
5. _____ A _____ is a quantity with both magnitude and direction.
6. _____ Ratio of the change in position to the time interval during which the change occurred is the _____.
7. _____ A system that defines the zero point of the variable you are studying is the _____.
8. _____ The zero point is also called the _____.
9. _____ A graph with time data on the horizontal axis and position data on the vertical axis is a _____.
10. _____ A _____ shows a series of images showing the position of a moving object over equal time intervals.
11. _____ A vector that represents the sum of two or more vectors is a _____.
12. _____ A simplified motion diagram that shows the object in motion as a series of points is a _____.
13. _____ A scalar quantity that is the length, or size, of the displacement vector is _____.
14. _____ A quantity that has only magnitude is _____.

MD SMARK PHYSICS PG 2

Name _____

2 Study Guide

continued

15. _____ The location of an object at a particular instant is _____.

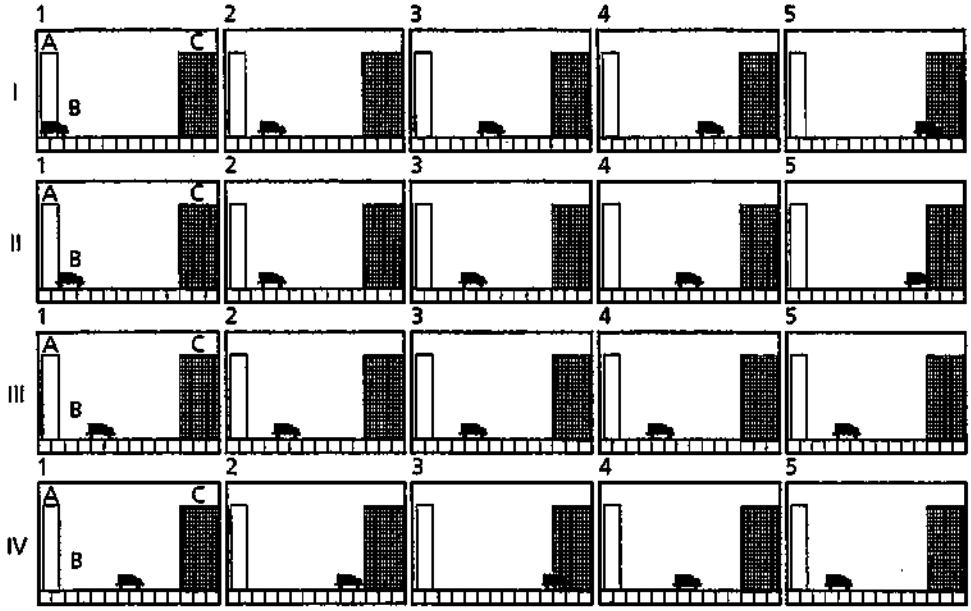
16. _____ The vector quantity that defines the distance and direction between two positions is _____.

17. _____ The absolute value of the slope on a position-time graph is _____.

Section 2.1 Picturing Motion

In your textbook, read about motion diagrams on pages 31–33.

Refer to the diagrams below to answer questions 1–5. Circle the letter of the choice that best completes the statement.



1. In set I, the object that is moving is _____.

a. A **c.** C

b. B **d.** none of the above

2. Set II shows that object B is _____.

a. at rest **c.** slowing down

b. increasing its speed **d.** traveling at a constant speed

3. Set _____ shows object B is slowing down.

a. I **c.** III

b. II **d.** IV

Mr. Lindig

8th Grade General Music Blizzard Bag Assignments

For each assignment complete a short summary of the biography of each musician just as we have done in class. You may use biography.com or Wikipedia.com

Day 7- Quincy Jones

Day 8- John Williams

Day 9- Billy Joel

Jill Bryan
Blizzard Bag 7, 8, 9

Global Foods Blizzard Bags Days 7-9

Use the reading pages from Blizzard Bag Day 4 to answer the following questions.

Day 7 - Describe the role that bread and tea play in russian cuisine and give an example of Each.

Day 8 - Explain why the cuisine in Baltic countries is rich in carbohydrates.

Day 9 - Describe three dishes from the Balkans that are similar to each other.

Jill Bryan
Blizzard Bag 7,8,9

Financial Planning Blizzard bags 7-9

Using the chapter 15 packet you received for day 4 blizzard bag and answer the following question.

Day 7 - Some ads imply that using a certain product will make you part of a group. What types of products might be advertised this way?

Day 8 - Stop and think about the techniques used in ads and whether their claims are legitimate. What other questions might you want to ask about ads? (list 2)

Day 9 - A few moments spent clipping coupons can result in significant savings at the store. Why should you use coupons only for items that you really need?

Jill Bryan
Blizzard Bag 7,8,9

Textile Blizzard Bag Days 7-9

Day 7 - How might your life be different had the sewing machine never been invented?

Day 8 - List the natural fibers. Which two are dry clean only?

Day 9 - List the types of bleach and identify which can be used on most colored washable Fabrics.

Ms Collins

American Lit. (period 2 & 6) Junior English: Using Blizzard 1 DO(4): Using Blizzard 2 DO (5), and Using Blizzard 3 D)(6)

Using the notes you took on each of the Sadlier Oxford nonfiction entries; write a **summary paragraph** of the article. Make sure you do not plagiarize. If you must use a phrase or sentence from the article, identify the words are "borrowed" by placing quotation marks around the quoted material.

NONNEGOTIABLES INCLUDE:

- MLA HEADING ON THE LEFT TOP,
- PROPER PUNCTUATION OF THE ARTICLE'S TITLE, INCLUDING THE ARTICLE'S TITLE IN THE PARAGRAPH,
- THE TYPE OF ARTICLE
- INK
- Blizzard 1-For Page 88-89, there are approximately 26 facts (which includes the route), include in your summary information from **all the** sections. Make sure you have at **14 facts.**

Blizzard 2 - For Page 108-109

- MLA HEADING ON THE LEFT TOP,
- PROPER PUNCTUATION OF THE ARTICLE'S TITLE, INCLUDING THE ARTICLE'S TITLE IN THE PARAGRAPH,
- THE TYPE OF ARTICLE
- INK
- Blizzard 1-For Page 88-89, there are approximately 19 facts (which includes the route), include in your summary information from **all the** sections. Make sure you have at **14 facts.**

Blizzard 3 - For Page 126-127

- MLA HEADING ON THE LEFT TOP,
- PROPER PUNCTUATION OF THE ARTICLE'S TITLE, INCLUDING THE ARTICLE'S TITLE IN THE PARAGRAPH,
- THE TYPE OF ARTICLE
- INK
- Blizzard 3-For Page 126-127, there are approximately 22 facts, include in your summary information from **all the** sections. Make sure you have at **16 facts.**

Blizzard 7,8,9, ADDITIONAL COMPLETE IN THE VOCABULARY BOOK: LESSON 11, 12

MS. Collins

SENIOR English: Blizzard 1&4 Blizzard 2& 5 and Blizzard 3&6

Using the notes you took on each of the Sadlier Oxford nonfiction entries, write a **summary paragraph** of the article. Make sure you do not plagiarize. If you must use a phrase or sentence from the article, identify the words are "borrowed" by placing quotation marks around the quoted material.

NONNEGOTIABLES INCLUDE:

- MLA HEADING ON THE LEFT TOP,
- PROPER PUNCTUATION OF THE ARTICLE'S TITLE, INCLUDING THE ARTICLE'S TITLE IN THE PARAGRAPH,
- THE TYPE OF ARTICLE
- INK
- Blizzard 1-For Page 88-89, there are approximately18 facts (which includes the route), include in your summary information from **all the** sections. Make sure you have at **14 facts.**

Blizzard 2 - For Page 108-109

- MLA HEADING ON THE LEFT TOP,
- PROPER PUNCTUATION OF THE ARTICLE'S TITLE, INCLUDING THE ARTICLE'S TITLE IN THE PARAGRAPH,
- THE TYPE OF ARTICLE
- INK
- Blizzard 1-For Page 88-89, there are approximately 18 facts (which includes the route), include in your summary information from **all the** sections. Make sure you have at **16 facts.**

Blizzard 3 - For Page 126-127

- MLA HEADING ON THE LEFT TOP,
- PROPER PUNCTUATION OF THE ARTICLE'S TITLE, INCLUDING THE ARTICLE'S TITLE IN THE PARAGRAPH,
- THE TYPE OF ARTICLE
- INK
- Blizzard 3-For Page 126-127 , there are approximately 23 facts, include in your summary information from **all the** sections. Make sure you have at **16 facts.**

Blizzard 7 & 8 & 9ADDITIONAL COMPLETE IN THE VOCABULARY BOOK: LESSON 11, 12 and Cards.

Ms Collins

REVISED Honors Junior English

Blizzard 1, 2, 3, 4, 5, 6:

Read and answer questions on the first 122 pages of **Brave New World** and briefly answer provided questions.

Blizzard 7,8,9, Preparation for an Objective Unit Test over the Sadlier Oxford Units 10, 11 & 12

Ms Collins

Revised KAP English & Honors 12 English

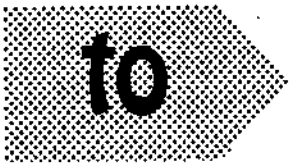
Blizzard 1,2,3,4,5,6, :Read and using online resources briefly answer questions provided on ***Othello.***

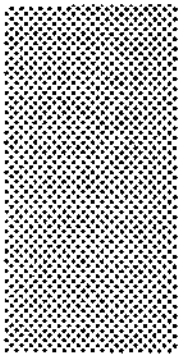
Blizzard 7, 8, 9: Be prepared shortly after our return to classes to take objective test over the Sadlier Oxford Units 12,11,and 12.

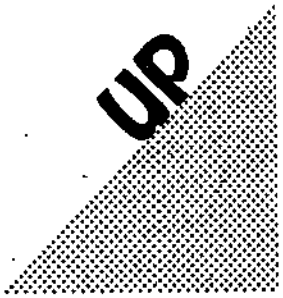
Study Day 7 + 8 Need 1

Prepositions

A **preposition** is a word that can be combined with a noun or pronoun to form a phrase that tells something about some other word in a sentence.







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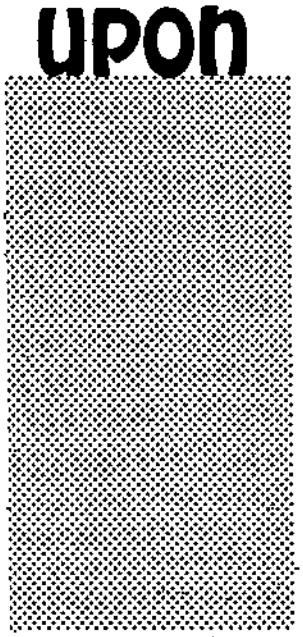
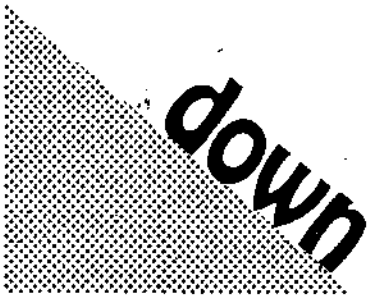
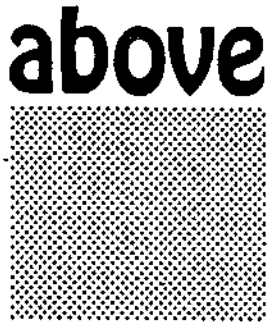
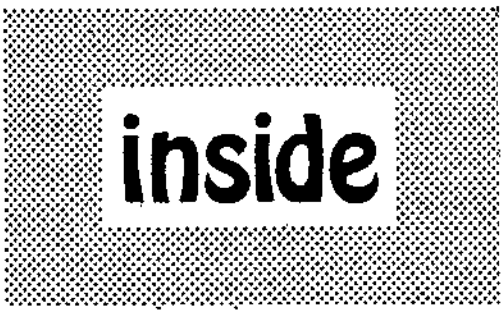
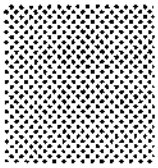


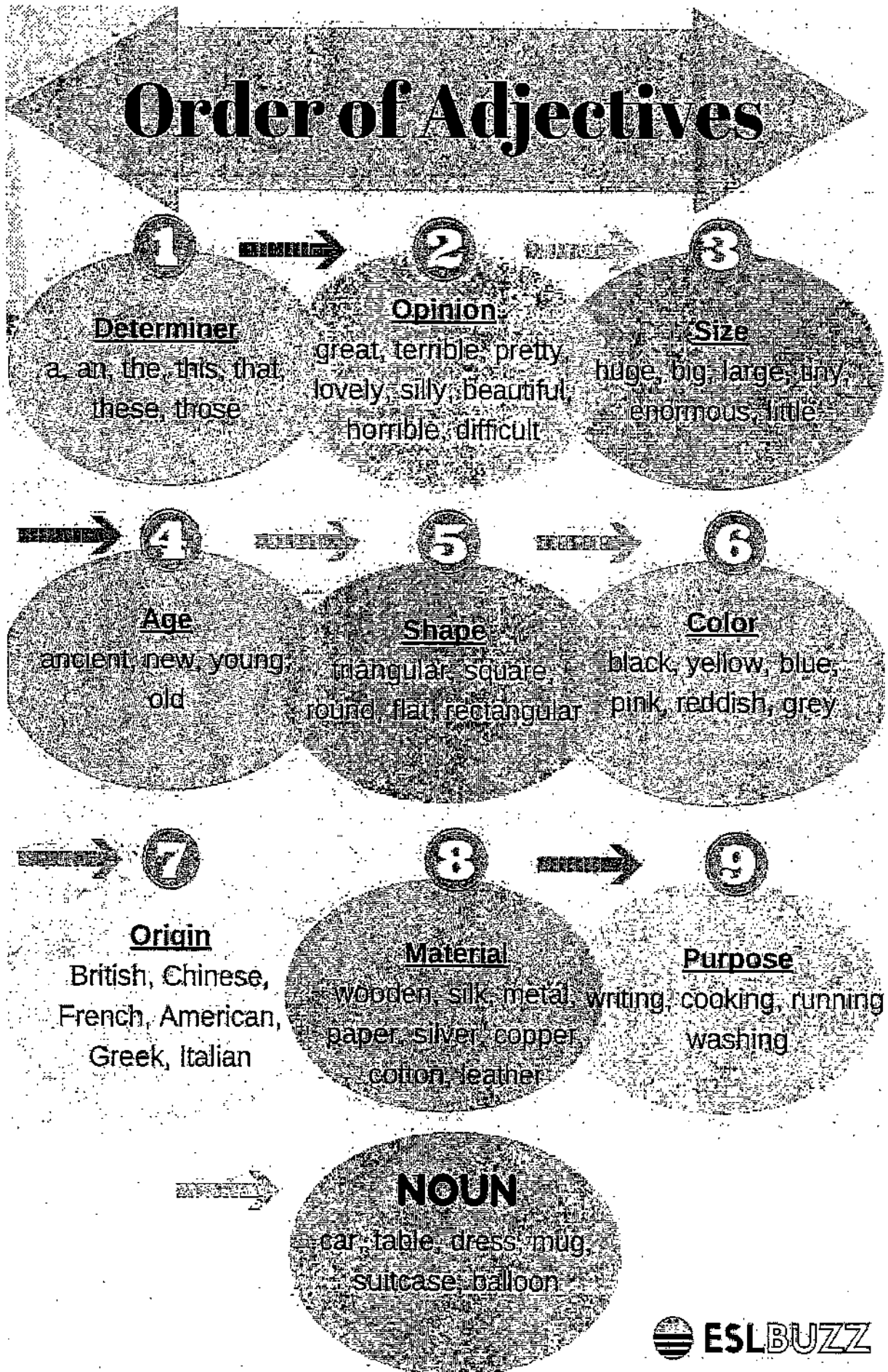








Study to use with work sheet **Next 2**



Name _____

Neal 3

Adjectives

4

An **adjective** can describe a noun or a pronoun. An adjective can tell the number, size, shape, color, and other details about the noun.

I saw **ten amazing metal** robots at the hobby store.

The adjectives must be used in the proper order:

number	opinion	size	shape	color	material	noun
ten	amazing	enormous	round	blue	metal	robots
twenty	good	thin	triangular	dark	plastic	plates
few	pretty					

Read the sentence. Write the adjectives in the correct order to complete it.

1. cute sixty tiny

   I saw _____ ants at the park.

2. long green three

   They were carrying _____ celery sticks.

3. wooden brown tall

   They were headed toward a _____ fence.

4. pretty plastic round

   I took a _____ container out of my basket.

5. cotton square large

   I spread out a _____ tablecloth.

Complete the chart with more adjectives to describe kites.

6.

number	opinion	size	shape	color	material	noun
ten			wide			kites

Day #8

Blizzard Bag

Hard Copies

Name: _____ Grade:_____Period:____

Go To www.mrsoshouse.com or google.

April Facts Internet Hunt

Directions: Click on the link to go to a web site with the answer to the question.
Once you find it, try using the **Go** Menu, of your browser, to return to this web page.

1. Some people say that you can stand an egg on end because it is the Vernal Equinox.
What is the vernal equinox?

Does the date have anything to do with standing an egg on end?

2. April is a good time to plant a tree. Name two things trees do that are beneficial.

a.

b.

Do some research.

What would be a good, native deciduous tree to plant near your home or school?

3. In April, U.S. citizens calculate their income taxes. When did Congress start taxing income?

Why?

Name _____ Class SELBERT Date 4 8

Reviewing Key Concepts

Matching *On the lines provided, match the letter of the scientist(s) with the description of his or their conclusions.*

a. Griffith
b. Avery
c. Hershey and Chase

_____ 1. concluded that the genetic material of a bacteriophage is DNA

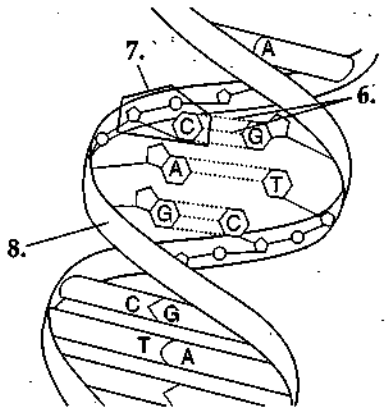
_____ 2. concluded that DNA was the factor that caused one bacterium to transform into another

_____ 3. concluded that bacteria could be transformed from harmless to disease-causing by an unknown factor

Completion *On the lines provided, complete the following sentences.*

4. The structure of a DNA molecule can be described as a _____.
5. The structure of DNA was discovered by _____ and _____.

Interpreting Graphics *On the lines corresponding to the numbers on the diagram, identify the following parts of the DNA molecule:* hydrogen bonds, nucleotide, sugar-phosphate backbone.



6. _____
7. _____
8. _____

Reviewing Key Skills

9. **Using Analogies** A double helix looks like a twisted ladder. Which parts of a twisted ladder are analogous to the hydrogen bonds and sugar-phosphate backbones of a double helix of DNA?

_____

_____

10. **Calculating** Use Chargaff's rules to determine the approximate percentage of thymine in a DNA molecule, if 28% of the nucleotides in the molecule contain adenine.

_____

_____

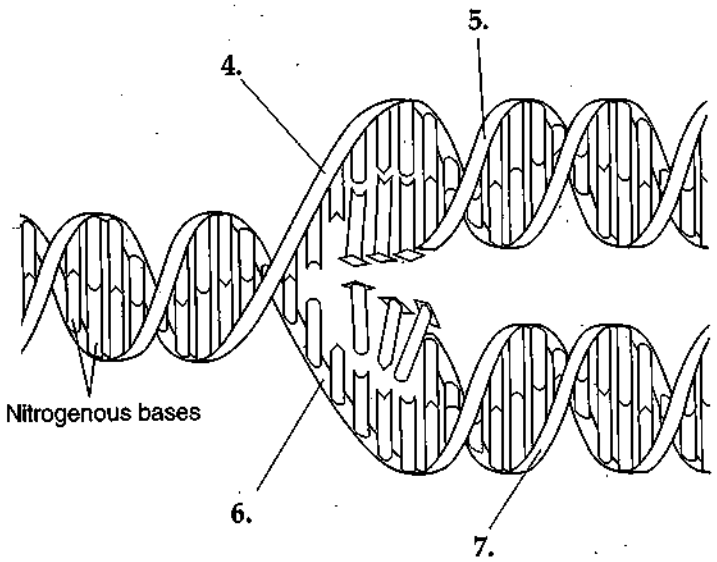
Name _____ Class SCIENCE Date #8

Reviewing Key Concepts

Completion *On the lines provided, choose the words that correctly complete the following sentences.*

1. During DNA replication, the DNA molecule _____ (separates/combines) into two strands.
2. At the end of DNA replication, _____ (four/two) new strands of DNA have been produced, giving a total of _____ (four/six) strands of DNA.
3. New DNA is replicated in strands complementary to old DNA because production of new DNA follows the rules of _____ (base pairing/the double helix).

Identifying Structures *On the lines corresponding to the numbers on the diagram, write whether the strand pointed to is an* original strand *or a* new strand.



4. _____
5. _____
6. _____
7. _____

Reviewing Key Skills

8. **Hypothesizing** The length of a bacterium's DNA may be 1000 times the length of the cell within which it is contained. Suggest an explanation for how this can occur.

_____

_____

9. **Comparing and Contrasting** How does the structure of a eukaryotic chromosome during mitosis differ from its structure during the rest of the cell cycle?

_____

_____

_____

MA STACK Physical Science

Name _____ Class _____ Date _____

Chapter 4 Atomic Structure

WordWise

DAY 8

Solve the clues to determine which vocabulary terms from Chapter 4 are hidden in the puzzle. Then find and circle the terms in the puzzle. The terms may occur vertically, horizontally, or diagonally.

e	m	a	s	s	n	u	m	b	e	r	u	n
n	l	o	r	b	i	t	a	l	x	a	p	i
r	e	e	n	l	t	p	t	s	p	b	k	s
g	n	a	c	a	s	r	d	c	r	h	l	o
b	e	l	d	t	g	o	f	l	s	g	a	t
l	r	t	s	o	r	t	g	r	n	b	t	o
n	g	z	b	m	o	o	p	l	q	d	c	p
p	y	q	p	i	u	n	n	m	a	s	s	e
s	l	n	m	c	n	n	u	c	l	e	u	s
t	e	u	e	n	d	r	i	o	l	k	m	r
r	v	c	l	u	s	v	a	b	t	o	p	k
z	e	l	x	m	t	w	e	s	r	n	u	e
p	l	e	m	b	a	r	l	e	t	a	b	d
b	s	a	q	e	t	z	o	c	m	r	n	k
r	t	s	i	r	e	h	j	n	s	f	l	t

Clues	Hidden Words
Dense, positively charged mass in the center of an atom	_____
Positively charged subatomic particle found in the nucleus	_____
Neutral subatomic particle found in the nucleus	_____
Number of protons in an atom of an element	_____
Sum of the protons and neutrons in the nucleus of an atom	_____
Atoms of the same element having different numbers of neutrons	_____
Possible energies that electrons in an atom can have	_____
Visual model of the most likely locations for electrons in an atom	_____
Region of space where an electron is likely to be found	_____
Term for an atom whose electrons have the lowest possible energies	_____

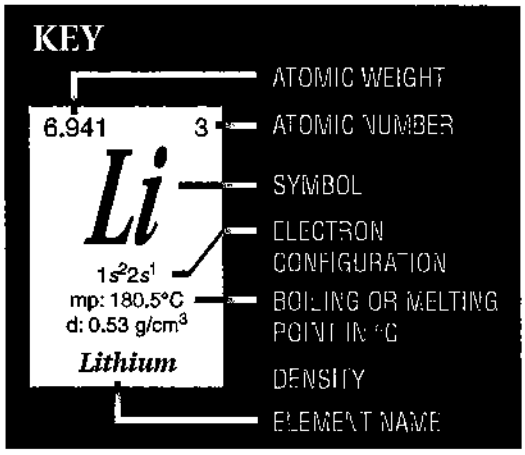
MR. Stark Chemistry pg 1

Name _____ Date _____ Class _____

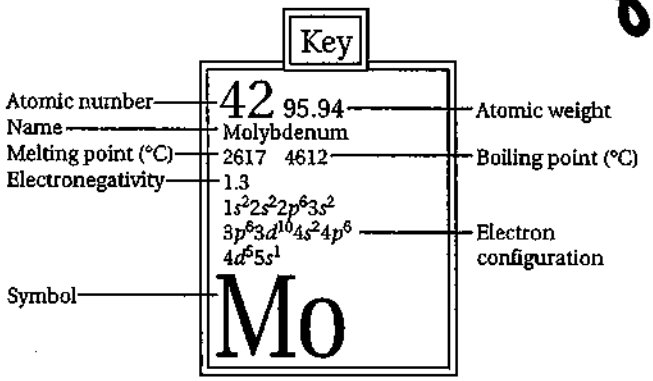
6 INTERPRETING GRAPHICS

Use with Section 6.1

DAY 8



Key to periodic table A



Key to periodic table B

Thousands of periodic tables have been published since Mendeleev published his table. Each one is a little different from the rest. Shown above are keys to two of the hundreds of periodic tables now available. A key is an example or roadmap for using a periodic table. Use the above keys to answer the following questions.

1. What is the atomic number of molybdenum?

2. On which table(s) can the densities of the elements be found?

3. What term is used in both keys as a synonym for average atomic mass?

4. What is the density of lithium?

5. What is the melting point of molybdenum?

6. Which table do you think would be easier to use if you were only interested in finding atomic numbers?

7. To how many significant figures is the atomic mass of lithium given?

MR. STARK CHEMISTRY PG 2

Name _____ Date _____ Class _____

8. Compare the keys to periodic tables A and B to the key to the periodic table in your textbook. What other information is provided in your textbook's periodic table that is not provided in the examples shown above?

9. In Appendix B of your textbook, the elements are listed in alphabetical order. Table B.2 lists some properties of the elements. Discuss some of the advantages and disadvantages of this type of organization of data compared to the periodic table.

10. Find Li and Mo on the periodic table in your textbook.

    a. List the group number and period number for each element.

    b. Would you expect Li and Mo to have similar physical and chemical properties?

    c. Classify each element, Li and Mo, as an alkali metal, an alkaline earth metal, a transition metal, a nonmetal, or a metalloid.

    d. Name one other element in the periodic table whose physical and chemical properties you would expect to be similar to those of lithium.

11. Create you own key. Using the information given in Table 2.1 and in the periodic table in your textbook, create a key for one of the elements listed in Table 2.1. What information not listed in the periodic table would you have to include in your version of the periodic table?

Mr. Stark Physics Pg 1.

Date _____ Period _____ Name _____

CHAPTER 3

Study Guide

DAY 8

Accelerated Motion

Vocabulary Review

Write the term that correctly completes the statement. Use each term once.

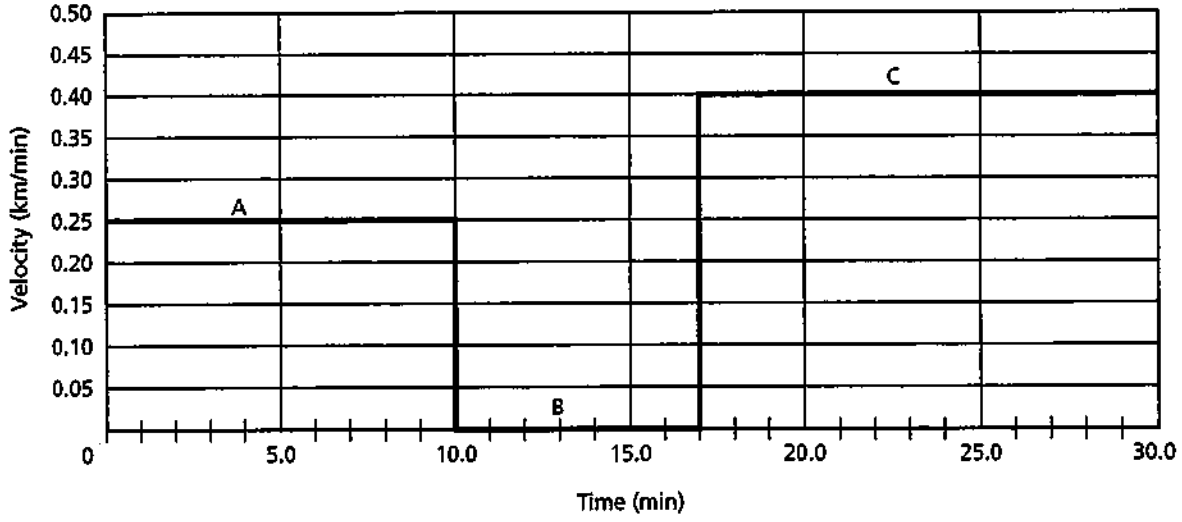
acceleration	average acceleration	instantaneous acceleration
acceleration due to gravity	free fall	velocity-time graph

1. _____ A _____ shows how velocity is related to time.
2. _____ The change in velocity of an object at an instant of time is its _____.
3. _____ The rate at which an object's velocity changes is its _____.
4. _____ The motion of falling objects when air resistance is negligible is called _____.
5. _____ The _____ of an object is the change in velocity during some measurable time interval divided by that time interval.
6. _____ The acceleration of an object in free fall that results from the influence of Earth's gravity is _____.

Section 3.1 Acceleration

In your textbook, read about changing velocity and velocity-time graphs on pages 58–59.

1. Refer to this velocity-time graph of a jogger to complete the two tables on the next page.



Mr Stark Physics pg 2

Name _____

3 Study Guide

continued

Segment	V	Δt	Δd
A			
B			
C			

Δt	Distance Run	Displacement	Average Velocity

In your textbook, read about acceleration on pages 59–64.

Circle the letter of the choice that best completes the statement or answers the question.

2. The slope of a tangent line on a velocity-time graph is the _____.

a. displacement **c.** average acceleration

b. velocity **d.** acceleration due to gravity

3. When acceleration and velocity vectors are pointing in opposite directions, the object is _____.

a. speeding up **c.** moving at constant speed

b. slowing down **d.** not moving

4. If a runner accelerates from 2 m/s to 3 m/s in 4 s, her average acceleration is _____.

a. 4.0 m/s^2 **c.** 0.40 m/s^2

b. 2.5 m/s^2 **d.** 0.25 m/s^2

5. The area under a velocity-time graph is equal to the object's _____.

a. stop time **c.** displacement

b. acceleration **d.** average speed

6. The area under an acceleration-time graph is equal to the object's _____.

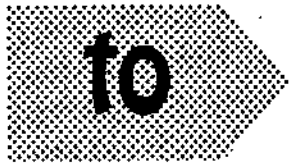
a. velocity **c.** change in acceleration

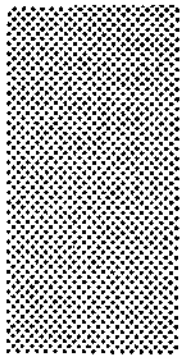
b. weight **d.** displacement

Study Day 7 & 8 Neal 1

Prepositions

A **preposition** is a word that can be combined with a noun or pronoun to form a phrase that tells something about some other word in a sentence.





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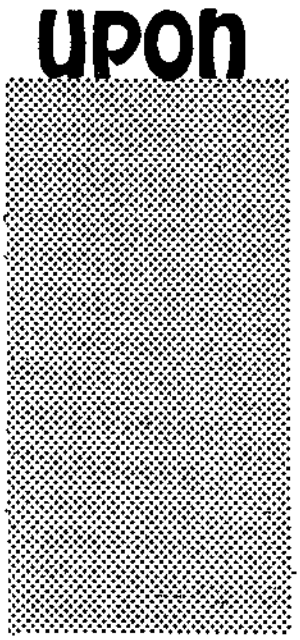
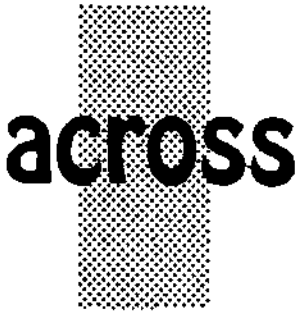
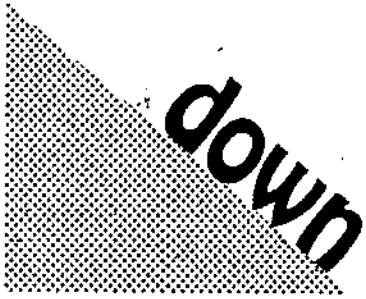
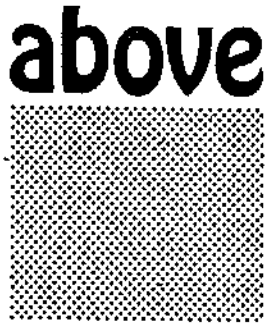
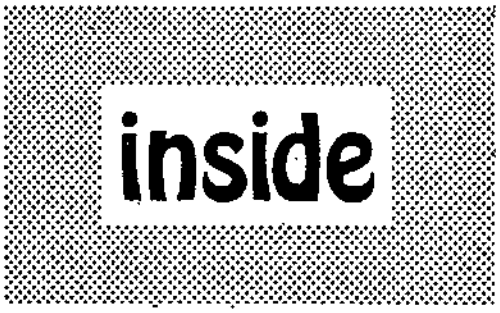
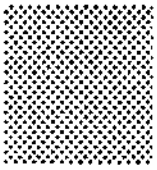




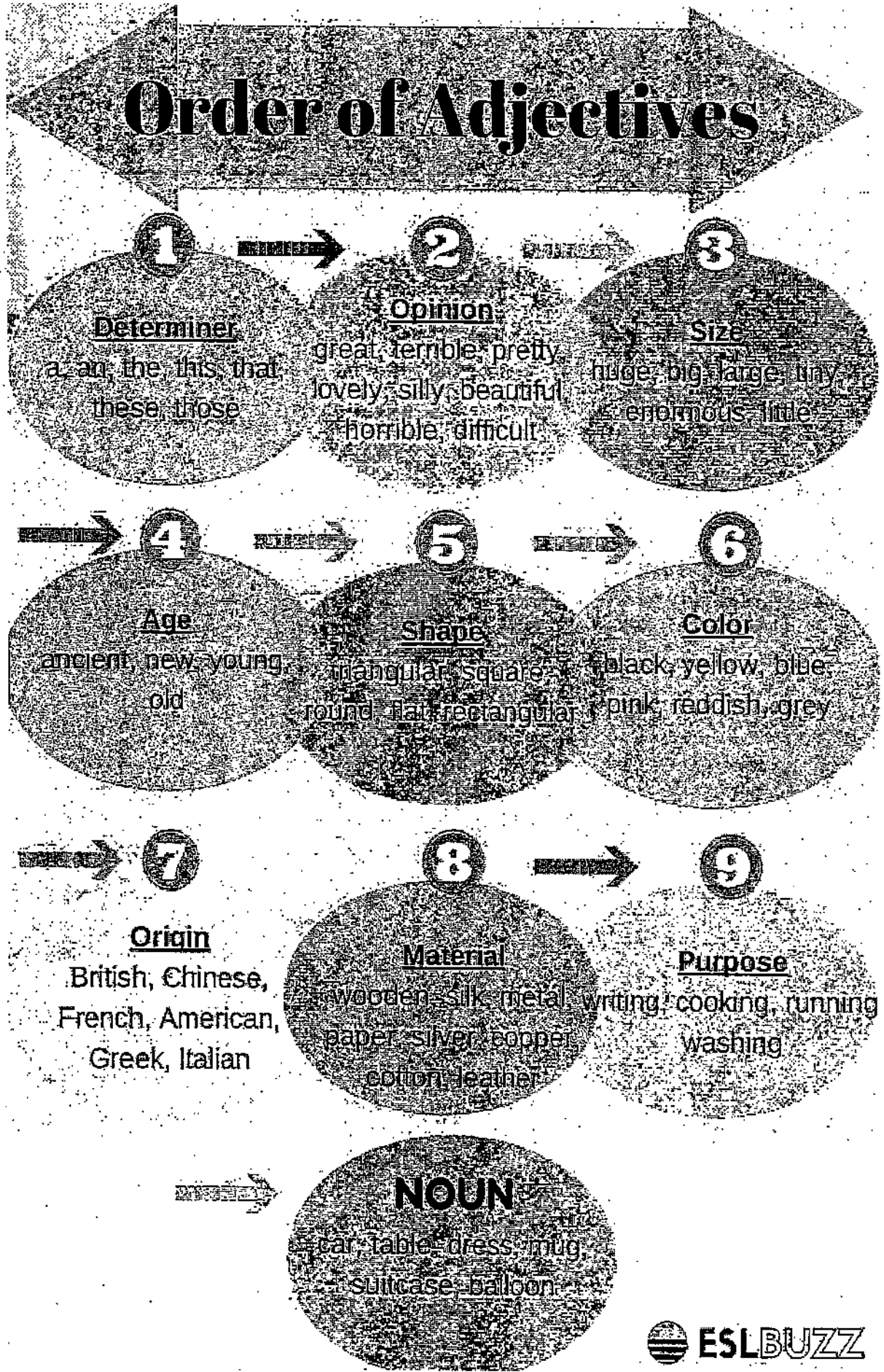








Study to use with work sheet Head 2



Neal 3

Name _____

Adjectives

4

An **adjective** can describe a noun or a pronoun. An adjective can tell the number, size, shape, color, and other details about the noun.

I saw **ten amazing metal** robots at the hobby store.

The adjectives must be used in the proper order:

number	opinion	size	shape	color	material	noun
ten	amazing	enormous	round	blue	metal	robots
twenty	good	thin	triangular	dark	plastic	plates
few	pretty					

Read the sentence. Write the adjectives in the correct order to complete it.

1. cute sixty tiny

   I saw _____ ants at the park.

2. long green three

   They were carrying _____ celery sticks.

3. wooden brown tall

   They were headed toward a _____ fence.

4. pretty plastic round

   I took a _____ container out of my basket.

5. cotton square large

   I spread out a _____ tablecloth.

Complete the chart with more adjectives to describe kites.

6.

number	opinion	size	shape	color	material	noun
ten			wide			kites

Day #9

Blizzard Bag

Hard Copies

Name: _____ Grade:_____Period:____

Go To www.mrsoshouse.com or google.

Bats are Our Buddies! An Internet hunt from Cindy O'Hora

Directions: Click on the links (underlined words) to go to the web site with the answer. Use the Back button or the **Go** Menu to return to this hunt page after you answer each question. printer version

1. How many different species of bats are there in the world?

2. The Honduras white bat makes tents. What does it use to make the tent?

3. What makes the Congress Bridge in Austin, Texas special?

4. Name three kinds of places bats call home.

5. What are the wings of bats made of?

6. Write another fact about the wings of bats.

Name _____ Class SEIBERT Date #9

Reviewing Key Concepts

Short Answer *On the lines provided, answer the following questions.*

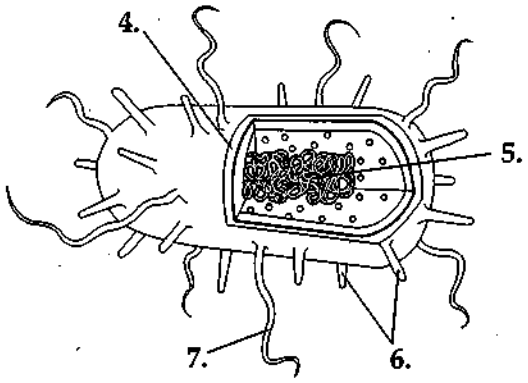
1. What are three ways in which archaebacteria differ from eubacteria?

2. Describe four factors that are used to identify prokaryotes.

3. What are the four groups into which prokaryotes are divided, based on the ways they obtain energy?

Reviewing Key Skills

Interpreting Graphics *On the lines provided, label the diagram using the following terms:* cell wall, pili, flagellum, DNA. *Then, use the diagram to answer questions 8 and 9.*



4. _____
5. _____
6. _____
7. _____

8. **Classifying** Is the bacterium in the diagram a bacillus, coccus, or spirillum? Explain your answer.

9. **Predicting** How would you expect this bacterium to move?

10. **Comparing and Contrasting** How are binary fission and sexual reproduction for prokaryotes different?

Name _____ Class SEIBERT Date #9

Reviewing Key Concepts

Identifying Processes *On the lines provided, identify the role of each type of bacteria in the environment.*

1. Producer _____

2. Decomposer _____

3. Nitrogen fixer _____

Completion *On the lines provided, complete the following sentences.*

4. One way that bacteria can cause disease is by breaking down and damaging _____ of the infected organism.
5. Bacteria can also cause disease by releasing _____ that harm the body.

Reviewing Key Skills

6. **Comparing and Contrasting** How are the causes of tuberculosis and strep throat similar? How are they different?

7. **Applying Concepts** Describe one positive way and one negative way in which bacteria affect the food industry.

8. **Comparing and Contrasting** Describe the similarities and differences of antibiotics and disinfectants.

9. **Inferring** Why should meats be cooked until they are well done?

10. **Applying Concepts** What is one way the world would be different if bacteria did not exist?

MR Stark Physical Science

Name _____ Class _____ Date _____

Chapter 5 The Periodic Table

WordWise

Match each definition with the correct term by writing the definition's number in the grid. When you have filled in all the boxes, add up the numbers in each column, row, and the two diagonals. Hint: The sum should be 15 in each case.

DA-1
9

Definitions

1. An arrangement of elements in columns based on a set of properties that repeat from row to row
2. A pattern of repeating properties that occurs when atomic numbers are used to arrange elements into groups
3. One twelfth the mass of a carbon-12 atom
4. Elements that are good conductors of heat and electric current
5. Elements that form a bridge between the elements on the left and right sides of the periodic table
6. Elements that are poor conductors of heat and electric current
7. Elements with properties that fall between those of metals and nonmetals
8. An electron that is in the highest occupied energy level of an atom
9. Colorless, odorless, and extremely unreactive gases

			diagonal = _____
nonmetals _____	periodic table _____	valence electron _____	= _____
metalloids _____	transition metals _____	atomic mass unit _____	= _____
periodic law _____	noble gas _____	metals _____	= _____
= _____	= _____	= _____	diagonal = _____

Mr. Stark Chemistry pg. 1

Name _____ Date _____ Class _____

9 INTERPRETING GRAPHICS

Use with Section 9.1

DAY 9

Group 1A							8A
1 H Hydrogen	2A	3A	4A	5A	6A	7A	2 He Helium
3 Li Lithium	4 Be Beryllium	5 B Boron	6 C Carbon	7 N Nitrogen	8 O Oxygen	9 F Fluorine	10 Ne Neon
11 Na Sodium	12 Mg Magnesium	13 Al Aluminum	14 Si Silicon	15 P Phosphorus	16 S Sulfur	17 Cl Hydrogen	18 Ar Argon
19 K Potassium	20 Ca Calcium						

Use the abbreviated periodic table above to answer the following questions.

1. Which group on the periodic table contains magnesium (Mg)?

_____

2. How many electrons does a magnesium atom lose to form a magnesium cation?

_____

3. How many electrons does a neutral magnesium atom contain?

_____

4. How many electrons does a magnesium cation contain?

_____

5. Which group on the periodic table contains fluorine (F)?

_____

6. How many electrons does a fluorine atom gain to form a fluoride anion?

_____

7. How many electrons does a neutral fluorine atom contain?

_____

MR. STACK Chemistry pg. 2

Name _____ Date _____ Class _____

8. How many electrons does a fluoride anion contain?

_____

9. How many electrons does a sodium cation contain?

_____

10. How many electrons does an oxide anion contain?

_____

11. How many electrons does each of the following ions contain?

a. S^{2-} _____

b. Ca^{2+} _____

c. K^{+} _____

d. Cl^{-} _____

MR. Stark Physics PG 1

Date _____ Period _____ Name _____

CHAPTER 4

Study Guide

DAY 9

Forces in One Dimension

Vocabulary Review

Write the term that correctly completes the statement. Use each term once.

agent	force	Newton's second law
apparent weight	free-body diagram	Newton's third law
contact force	gravitational force	normal force
drag force	inertia	system
equilibrium	interaction pair	tension
external world	net force	terminal velocity
field force	Newton's first law	weightlessness

1. _____ Everything surrounding a system that exerts forces on it is the _____.
2. _____ The attractive force that exists between all objects with mass is the _____.
3. _____ "An object that is at rest will remain at rest, and an object that is moving will continue to move in a straight line with constant speed, if and only if the net force acting on the object is zero." This sentence is a statement of _____.
4. _____ An action exerted on an object that causes a change in motion is a(n) _____.
5. _____ A force that is exerted without contact is a(n) _____.
6. _____ Two forces that are in opposite directions and have equal magnitudes are a(n) _____.
7. _____ A force exerted by any segment of a rope or string on an adjoining segment is _____.
8. _____ The vector sum of two or more forces acting on an object is the _____.
9. _____ The net force on an object in _____ is zero.
10. _____ A force exerted by a fluid on an object moving through the fluid is a(n) _____.
11. _____ "The acceleration of a body is directly proportional to the net force on it and inversely proportional to its mass." This sentence is a statement of _____.
12. _____ The force exerted on a scale by an object and other forces acting upon the object is the _____.

Mr Stark - Physics pg 2

Name _____

13. _____ A force that acts on an object by touching it is a(n) _____.

14. _____ "The two forces in an interactive pair act on different objects and are equal in magnitude and opposite in direction." This sentence is a statement of _____.

15. _____ A perpendicular contact force exerted by a surface on another object is a(n) _____.

16. _____ A defined object or group of objects is a(n) _____.

17. _____ The tendency of an object to resist changes in its motion is _____.

18. _____ The specific, identifiable cause of a force is the _____.

19. _____ In a(n) _____, a dot represents an object and arrows represent each force acting on it, with their tails on the dot and their points indicating the direction of the force.

20. _____ The constant velocity that a falling object reaches when the drag force equals the force of gravity is its _____.

21. _____ When an object's apparent weight is zero, the object is in a state of _____.

Section 4.1 Force and Motion

In your textbook, read about Newton's first and second laws and combining forces on pages 92–95.
For each statement below, write true *or* false.

1. _____ Newton's second law can be written as the equation $a = F_{net}/m$.

2. _____ In the ideal case of zero resistance, a ball rolling on a level surface will accelerate.

3. _____ The acceleration of an object and the net force acting on it are proportional.

4. _____ Force and acceleration are scalar quantities.

5. _____ Gravity is a field force.

6. _____ When the net forces acting on an object sum to zero then the object is accelerating.

7. _____ According to Newton's first law, an object that is moving will continue to move in a straight line and at a constant speed if and only if the net force acting on it is greater than zero.

8. _____ Acceleration is a change in velocity caused by an unbalanced force.

Study and memorize - states and capitals

Week 1

Day 9 & 10

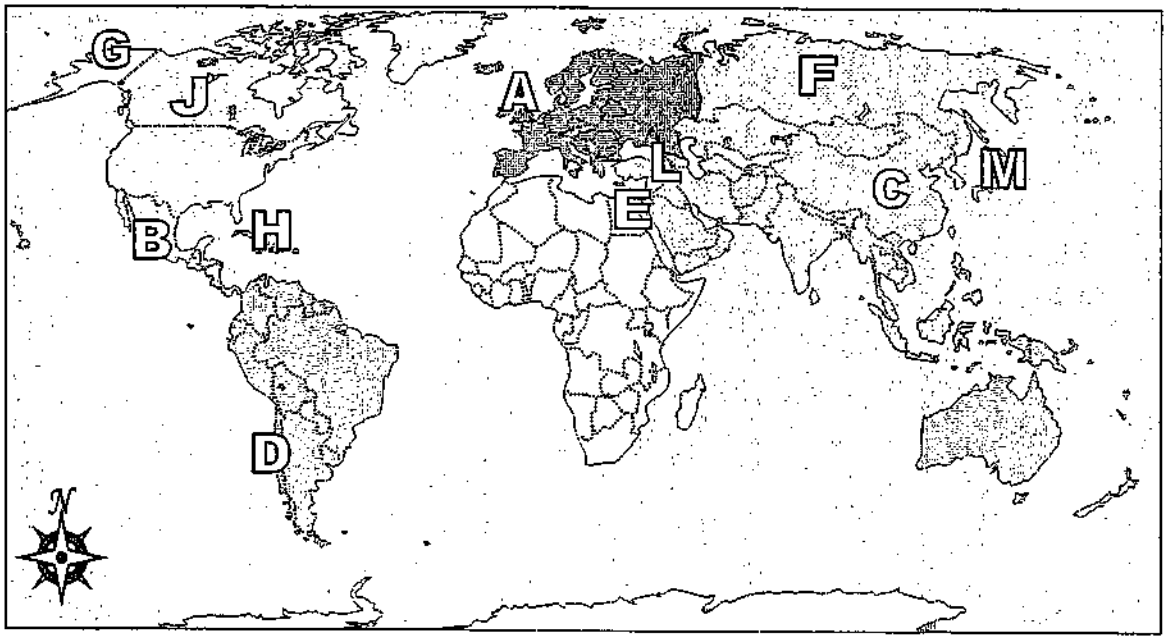
study and memorize

Neal 2

World Geography - Countries

Name: Answer Key

Using the map below, determine which letter represents each location.



1) Canada J
2) Chile D
3) Britain A
4) Russia F
5) Egypt E
6) China C
7) Mexico B
8) Alaska (State) G
9) Japan M
10) Cuba H
11) Iraq L

12) Alaska is _____ of the rest of the United States?
A. west C. north
B. east D. south

13) The state of Alaska is touching which country?
A. Mexico C. China
B. Canada D. Russia

14) Which country attacked the United State's base at Pearl Harbor during World War 2?
A. Mexico C. Britain
B. Japan D. Egypt

15) Which is not part of North America?
A. Alaska C. Canada
B. The United States D. France

16) Which country is the largest in Asia?
A. Canada C. Russia
B. Japan D. China

Answers

1. J
2. D
3. A
4. F
5. E
6. C
7. B
8. G
9. M
10. H
11. L
12. C
13. B
14. B
15. D
16. C

1-10	94	88	81	75	69	63	56	50	44	38
11-16	31	25	19	13	6	0				

Study and memorize - states and capitals

Neal 1

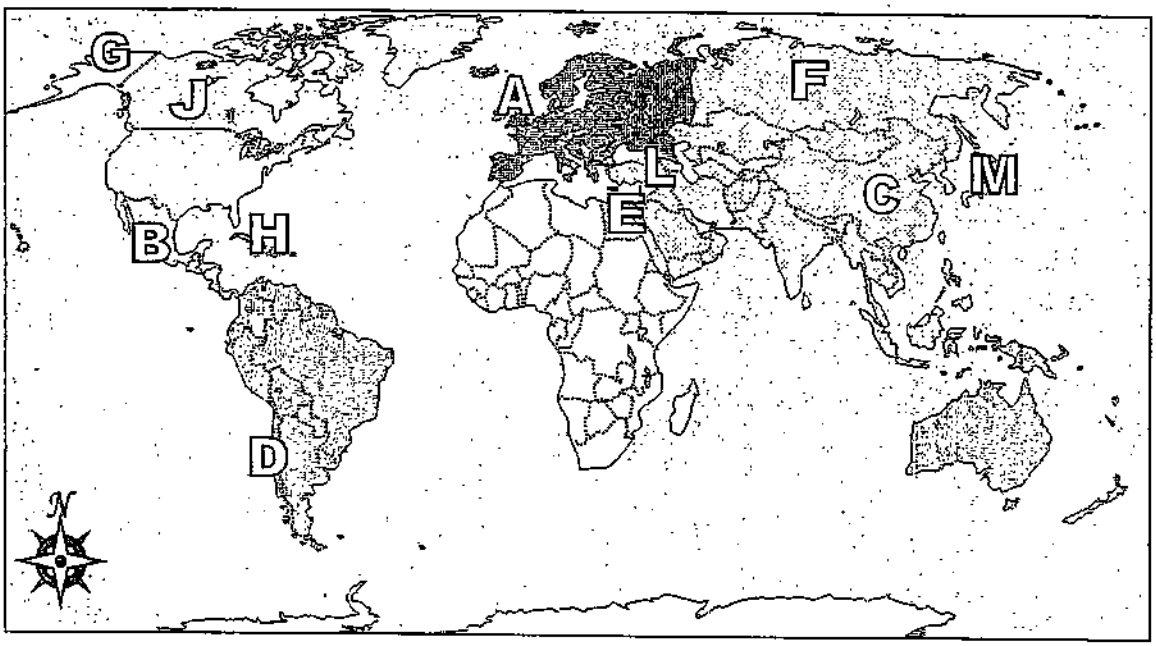
Day 9 & 10

Study and memorize

Neal 2

World Geography - Countries Name: Answer Key

Using the map below, determine which letter represents each location.



1) Canada J
2) Chile D
3) Britain A
4) Russia F
5) Egypt E
6) China C
7) Mexico B
8) Alaska (State) G
9) Japan M
10) Cuba H
11) Iraq L

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B. Japan D. China

Answers

1. J
2. D
3. A
4. F
5. E
6. C
7. B
8. G
9. M
10. H
11. L
12. C
13. B
14. B
15. D
16. C

1-10	94	88	81	75	69	63	56	50	44	38
11-16	31	25	19	13	6	0				