

Taylor County Schools

Day 2

Sixth Grade



1. Complete this packet on the second ICE Day.
2. Write your name on the booklet.
3. Return this completed packet after the ICE Pack Day. You will keep the others in the envelope for future ICE Pack Days.

Name: _____

Student Name: _____ Teacher: _____

Solve each expression using the correct order of operations.

$$(3 \times 4) \div (7 + 9 - 10)$$

$$8 \times (10 - 6) \div 2 + 4$$

$$(10 \div 2) \times 7 + 5 - 4$$

$$8 \div (7 - 3) \times (4 + 6)$$

$$6 \times (8 - 3 + 5) \div 10$$

$$10 - 6 \times 5 \div (2 + 4)$$

$$(10 - 6 + 8 \div 2) \times 3$$

$$(4 + 8 \div 2 - 6) \times 10$$

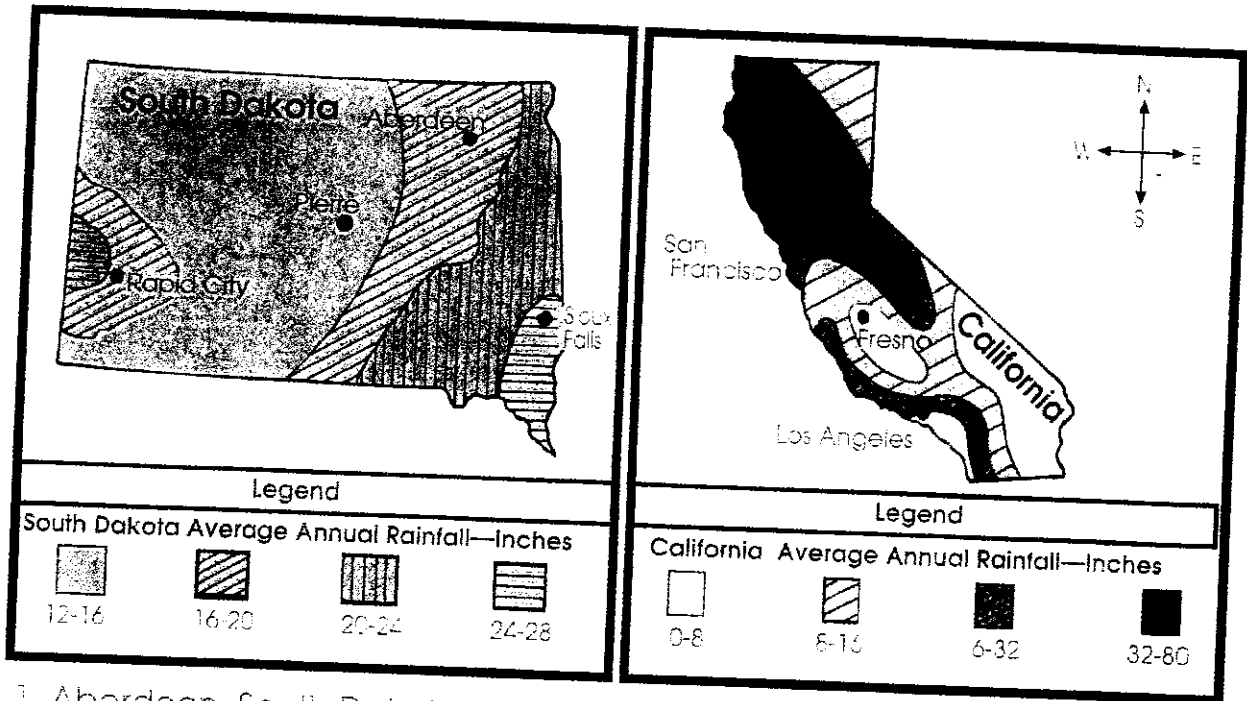
$$7 \div (4 \times 2 + 9 - 10)$$

$$((10 - 6 + 5) \div 9) \times 2$$

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Kinds of Maps: Climate

How Much Did It Rain?



1. Aberdeen, South Dakota receives _____ inches of rain a year.
2. Which city receives more rain—Sioux Falls or Rapid City? _____
3. Northwestern South Dakota receives _____ inches of rain a year.
4. How much rain does Pierre, South Dakota usually receive? _____
5. The southeastern corner of South Dakota receives _____ inches of rain.
6. What does the symbol mean on the map of California? _____
7. Southeastern California receives _____ inches of rain a year.
8. Los Angeles, California, receives an average of _____ inches of rain a year.
9. The northeastern part of California receives _____ inches of rain.
10. What does this symbol mean on the map of California? _____
11. Fresno, California, receives an average of _____ inches of rain.
12. Which city receives more rain—Sioux Falls, South Dakota or Fresno, California? _____
13. The extreme northwestern corner of California receives _____ inches of rain a year.

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Weather and Climate: What is climate?

Photo by Jason Auch via Flickr.

Adelie penguins sit on an iceberg in Antarctica, which has a polar climate. Photo by: Jason Auch via Flickr. The weather found in a certain place over a long period of time is known as the climate. For example, a description of weather might be “It rained yesterday in Phoenix,” while “Phoenix gets only 10 inches of rain per year” would be a statement about climate. Descriptions of climate include such weather elements as temperature, precipitation, humidity, wind, cloudiness and snow cover.

An area’s climate determines what kinds of plants can grow and what kinds of animals can survive there. People use information about climates to decide which crops to plant, to prepare for natural disasters and even to choose the best season for traveling to vacation spots.

Studying Climates

The study of climates is called climatology. Scientists have many tools to help in this study. They construct weather stations on Earth to measure rainfall, temperature and wind speed. They send weather balloons with **specialized** instruments up into the atmosphere. Weather satellites in space also **transmit** information to scientists on the ground.

Factors That Affect Climate

Many **factors** affect climate. These factors include the sun, oceans, winds, land types, clouds and human activities.

Sunlight affects climate by hitting Earth unevenly. Places near the equator receive lots of strong sunlight throughout the year. This gives them a hot climate year-round. Places far from the equator get less strong sunlight, and so they are cooler.

Oceans also affect climate. Land near an ocean usually has a milder climate than an inland area. The ocean warms the land in winter and cools it in summer. This happens because water cools and heats more slowly than land.

Winds affect climate by carrying warm or cool air to areas. Winds also bring different amounts of moisture.

The type of land in an area affects the climate, too. For example, mountain ranges can block cold air. Also, places that are at higher **elevations** are usually cooler than nearby places at lower elevations.

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Clouds affect climate by blocking some of the heat received from the sun during the day. During the night, clouds keep heat from escaping into space.

Finally, human activities may affect climate. When people burn fuels such as oil and coal to run cars and heat homes, the fuels release certain gases into the air. These gases trap heat on Earth. Some scientists think that Earth is slowly getting warmer, and that this may be because of the extra gases in the air. This **concept** is known as global warming.

Types Of Climates

No two places on Earth have identical climates. Nevertheless, many climates are similar to one another. Some of these general types of climates are tropical, subtropical, cyclonic, polar and highland.

Tropical climates are warm all year and have no winter. They lie near the equator. Some tropical climates have a lot of rain. Others are dry.

Subtropical climates are found north and south of the tropical climates. They have a greater range of temperatures than tropical climates. They also may be humid or dry.

Cyclonic climates are found mostly north of the equator. In these climates, cold air from the north combines with warm tropical air from the south. This mixing often causes rain and snow. Cyclonic climates usually have warmer summers and colder winters.

Polar climates are very cold. Snow and ice often cover the land. Some polar areas always have a layer of frost, called permafrost, below the soil.

Highland climates have a great range of temperature between day and night. They tend to be humid and cooler than the lower lands nearby.

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Quiz

- 1 Which piece of evidence BEST explains the reason for global warming?
- (A) Sunlight affects climate by hitting Earth unevenly. Places near the equator receive lots of strong sunlight throughout the year.
 - (B) The ocean warms the land in winter and cools it in the summer. This happens because water cools and heats more slowly than land.
 - (C) Clouds affect climate by blocking some of the heat received from the sun during the day.
 - (D) Some scientists think that Earth is slowly getting warmer, and that this may be caused by the extra gases in the air.
- 2 Choose the paragraph from the introduction [paragraphs 1-2] that describes the importance of understanding climate.
- 3 Which selection would be MOST important to include in a summary of the article?
- (A) For example, a description of weather might be “It rained yesterday in Phoenix,” while “Phoenix gets only 10 inches of rain per year” would be a statement about climate.
 - (B) Many factors affect climate. These factors include the sun, oceans, winds, land types, clouds and human activities.
 - (C) Tropical climates are warm all year and have no winter. They lie near the equator. Some tropical climates have a lot of rain.
 - (D) The type of land in an area affects the climate, too. For example, mountain ranges can block cold air.
- 4 What are TWO main ideas of the article?
- 1. *Climate includes weather elements such as temperature, precipitation, humidity, wind, cloudiness and snow cover.*
 - 2. *Climatologists study the different climates on Earth to understand and prepare for natural disasters.*
 - 3. *Oceans, winds and sunlight affect climates the most, and can cause dangerous weather patterns.*
 - 4. *Although areas on the earth have similar climates, no two areas have exactly the same climates.*
- (A) 1 and 2
 - (B) 3 and 4
 - (C) 1 and 3
 - (D) 2 and 4

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● Sentence Completion 7 *(high-intermediate level)*

Directions: Choose the best word(s) to complete each sentence.

1. When a person is described as _____, it might be best to stay away from him or her. That person probably isn't too friendly.
 - A. childish
 - B. wise
 - C. organized
 - D. hostile
 - E. undervalued
2. _____ flowers bloom year after year, but perennial flowers bloom only once and then die.
 - A. beautiful
 - B. healthy
 - C. monthly
 - D. annual
 - E. deadly
3. Animals who survive without social interaction _____ exist in nature. For this reason, the chameleon represents _____, as they prefer to live alone.
 - A. commonly ... an anomaly
 - B. sometimes ... a community
 - C. seldom ... a reptile
 - D. frequently ... an outlier
 - E. rarely ... an aberration
4. Historically speaking, one outstanding aspect of religion is its ability to _____ a population of believers with feelings of community and righteousness, giving them the ability to _____ opposing nations in times of war.
 - A. reinforce ... appreciate
 - B. weaken ... flee
 - C. segregate ... conquer
 - D. divide ... overwhelm
 - E. strengthen ... defeat
5. Luis is _____ going to the market this weekend; he has done so every weekend so far this year.
 - A. unexpectedly
 - B. doubtfully
 - C. possibly
 - D. probably
 - E. unfortunately
6. Considering the fact that she was in a terrible accident and now uses a prosthetic leg, Linda's victory in the marathon race was _____ amazing.
 - A. sadly
 - B. truly
 - C. predictably
 - D. unsurprisingly
 - E. laughably
7. My piano teacher dislikes _____ music. For this reason, he only teaches _____ music.
 - A. contemporary ... classical
 - B. new ... recent
 - C. modern ... popular
 - D. traditional ... old
 - E. loud ... rock
8. She closed the car door and _____ waved goodbye. She was moving away and would not see her friends for a long time.
 - A. hurriedly
 - B. sadly
 - C. patiently
 - D. lazily
 - E. originally

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Classic Composers Word Search

by Ms. Garrett

www.musictechteacher.com

Z A J Y W T K D P B A C H M C K
N R H R V K P Y E G J A E X V L
D K M D K T O Y N B L E D N A H
S C H U B E R T V I U N Y K F F
W N F X V E K E R B T S C A K A
F J I X K T I Y K A V A S H N A
H L Q P Y F P B H H B B I Y G P
Y J K E O V A V E Y E J D E C B
E A V K R H M Y S E C W R Q R V
L C O E H U C H L Z T S I A B G
A R P B A N A Q N U H H O S Q
P V B I Y B E F W W Y M O X B M
A O Q C D S L P I N S Q W V V S
Q X L V N Y T N V N B R Z F E S
I M O Z A R T J L S P Z Z T S N
E D G J Y O N E T T I R B B E T

BEETHOVEN
DEBUSSY
HANDEL
CHOPIN
PROKOFIEV
BACH
BRAHMS
HAYDN
MOZART
BARTOK
BRITTEN
FAURE
SCHUBERT
GERSHWIN

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Using function keys

What do the function keys do? Match the function key with what it does. The first one has been done for you.

Shift key

Press this key once to create a one-letter space between words or numbers.

Caps lock key

Press this key to start typing on a new line.

Space bar

Press this key to move up, down or across the text.

Backspace key

Press this key to delete the letter, number, symbol or space to the left of the cursor.

Return key

Press this key to continue typing in capital letters.

Delete key

Press this key to delete letters, numbers, symbols or spaces to the right of the cursor.

Tab key

Press and hold this key to type a capital letter or to type the top symbol on a letter, number or symbol key.

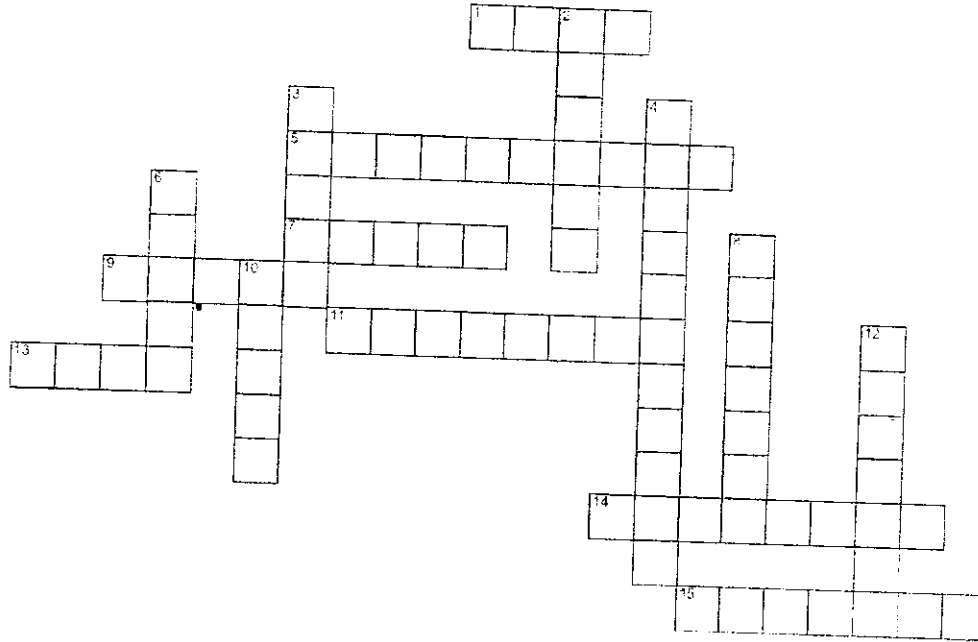
Arrow keys

Press this key to create a larger space between words or numbers.



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Art Elements and Principles



ACROSS

- 1 An element of art that is a three-dimensional space with height width and depth
- 5 the size relationship of one part of a picture to another part of the picture or to the whole
- 7 The element of art produced by light reflected at different wavelengths; also known as a hue.
- 9 The lightness or darkness of a color
- 11 Any method used to show importance or dominance of one aspect of a picture over the rest of the picture
- 13 Element of art created by marks made that can be zig-zaged, curved, horizontal, vertical, etc.
- 14 The way the eye visually moves from one object in the picture to another
- 15 A way of combining elements in a picture to create complex and interesting relationships

DOWN

- 2 A regular repetition of an element of art to create a visual tempo of beat
- 3 The area between, above, below, beneath or within objects
- 4 The arrangement of objects in a picture
- 6 An element of art that is an enclosed two-dimensional space
- 8 The surface quality or feel of an object.
- 10 A quality of wholeness or oneness that is created by the proper use of the elements and principles of design.
- 12 The way that the elements of art are arranged to create a feeling of stability.

Word Bank				
Proportion	Composition	Balance	Texture	Unity
Form	Shape	Variety	Color	Movement
Rhythm	Value	Emphasis	Space	Line

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Fitness Homework - Cardio Graph Worksheet

Heart Rate	Resting Heart Rate	Walk Backwards	Brisk Walk Forward	Grapevine	Jog	Skip	Jump Rope	Jumping Jacks	Squat Jumps	Lunges	Mountain Climbers	Run in Place
200												
190												
180												
170												
160												
150												
140												
130												
120												
110												
100												
90												
80												

Activities

Before participating in the activities, record your resting heart rate. You will now participate in each of the activities listed on the graph for 1 minute. After each activity, quickly locate your pulse and count your beats for 6 seconds. Multiply the number of heart beats you counted by 10. This is your BPM on the graph. After the cool down walk, your heart rate was _____. Look at the pattern that developed on your personal Cardio Graph as you charted your heart rate for each activity.

How does the exercise affect your heart rate?

What could you have done to increase your heart rate?

What could you have done to decrease your heart rate?

Did you give your best effort? Why or Why not?
