

# Brooke Intermediate North

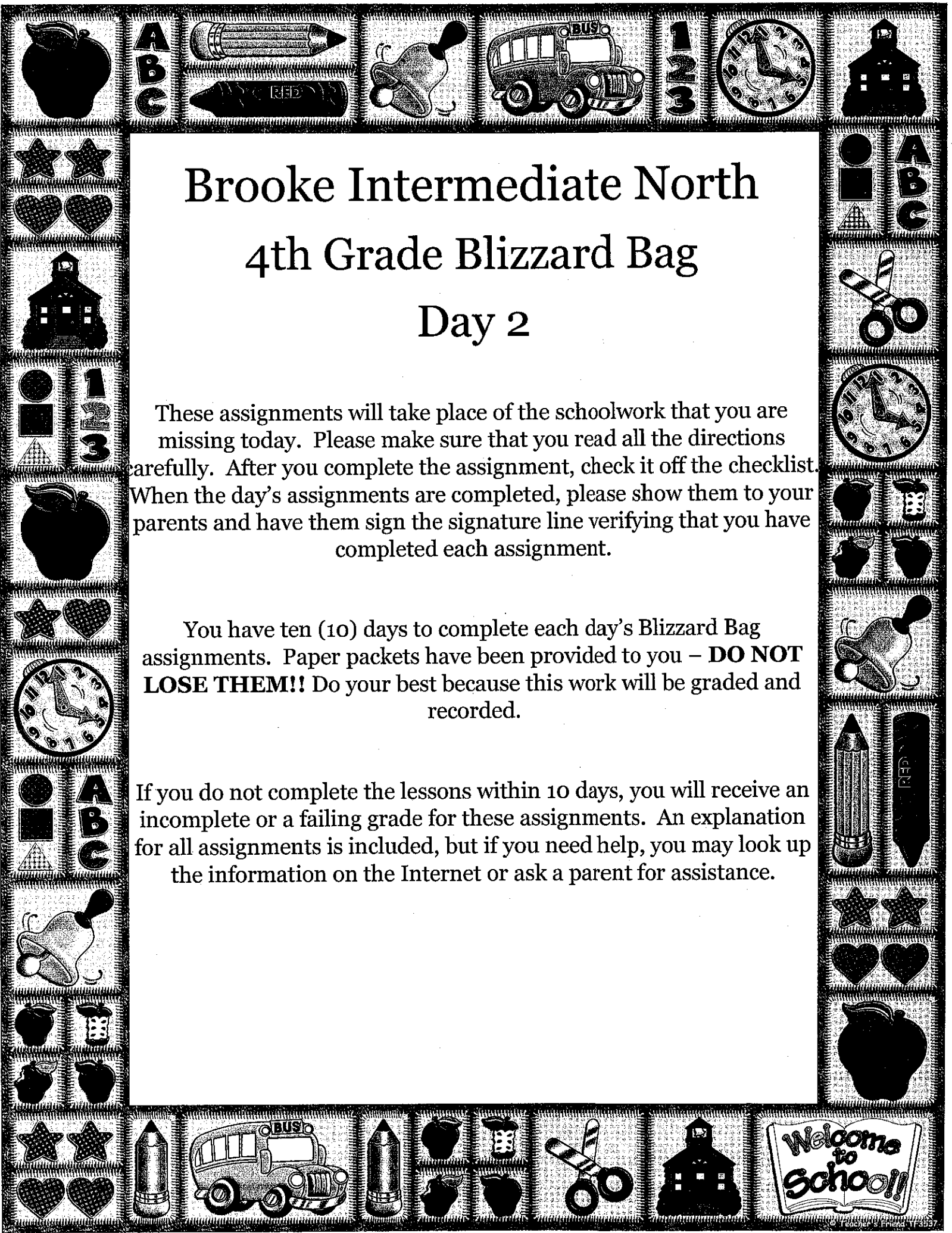
## 4th Grade Blizzard Bag

### Day 2

These assignments will take place of the schoolwork that you are missing today. Please make sure that you read all the directions carefully. After you complete the assignment, check it off the checklist. When the day's assignments are completed, please show them to your parents and have them sign the signature line verifying that you have completed each assignment.

You have ten (10) days to complete each day's Blizzard Bag assignments. Paper packets have been provided to you – **DO NOT LOSE THEM!!** Do your best because this work will be graded and recorded.

If you do not complete the lessons within 10 days, you will receive an incomplete or a failing grade for these assignments. An explanation for all assignments is included, but if you need help, you may look up the information on the Internet or ask a parent for assistance.



# BIN ~ 4th Grade Blizzard Bag Day 2 Checklist

Date: \_\_\_\_\_ Due in 10 Days

Please check off as you complete each assignment

Math: **Place Value; Money Notation**

Reading/Language Arts: **Stink Blob to the Rescue; Daily Language Review (M&Tues.)**

Science: **Why Does Science Matter?**

Social Studies: **Constitution**

Physical Education: **Physical Education Activities Grades K-4**

Music: **John Williams Composer & Pianist**

\_\_\_\_\_ I have completed all assignments in the Blizzard Bag Day 2 Packet.

My child has completed the assignments in the Blizzard Bag Day 2 Packet and I have checked over his/her work.

Child's Name: \_\_\_\_\_

Parent Signature: \_\_\_\_\_

Date: \_\_\_\_\_

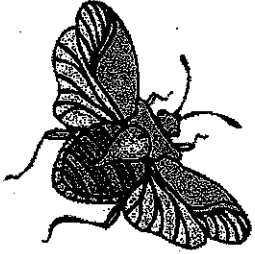
# Stink Blob to the Rescue

by Sandie Lee

Mom senses danger. It's a villainous wasp hovering just overhead. She quickly gathers her 24 nymphs under her triangular body.



The wasp approaches.

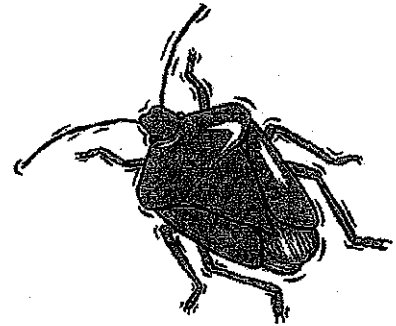


Mom frantically waves her antennae. Not fazed, the wasp flies even closer. Mom turns her tough, shield-like back and quickly buzzes her wings. The wasp ignores her threat and lands just out of reach. Mom kicks out her middle and back legs in another attempt to scare it off.

It works. But the determined wasp only takes to the air and darts back and forth.

One of the nymphs edges out to see what all the commotion is about. The wasp speeds towards it. Mom's ready and silently drops her most powerful secret weapon...the stink blob. The wasp catches a whiff of this noxious smell and zips away in the opposite direction. Lunch will have to wait.

Stink bugs range from 6 to 12 mm in size and come in various colors. Most are brown, grey and green. Some, like the harlequin stink bug, are black with bright yellow or orange markings. All stink bugs have a large triangular structure on their backs. This raised covering points towards their hind end and is called the *scutellum*. As their name suggests, stink bugs also produce a chemical so noxious and foul that most insects and animals are repelled by it immediately. However, the stench-gob is used only as a last resort since it saps the bug of most of its energy.



Not all insects are as protective of their young as the 'parent bug.' She will still protect her young even when they're old enough to be on their own. When the young wander off they secrete a scent trail. If in trouble they send out a powerful alarm scent. It's Mom to the rescue as she follows this scent path right to her nymph.

Name: \_\_\_\_\_

# Stink Blob to the Rescue

by Sandie Lee



1. Why did the author write this article?
- a. to explain how wasps hunt for prey
  - b. to give information about stink blobs
  - c. to tell you how nymphs protect themselves
  - d. to give information about stink bugs

2. Why do stink bugs release their terrible smell only as a last resort?
- a. releasing the odor could kill nymphs
  - b. releasing the odor will help predators find them
  - c. releasing the odor takes lots of energy
  - d. releasing the odor kills plants

3. Why are stink bugs called the "parent bug"?

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4. Explain how the writer's style changes in the last two paragraphs.

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5. Why do you think the author begins this passage with an exciting story?

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Name: \_\_\_\_\_

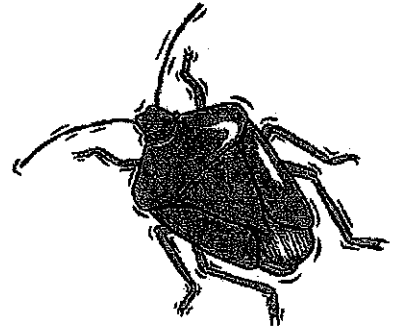
# Stink Blob to the Rescue

## Vocabulary Activity

**Part 1:** Reread "Stink Blob to the Rescue." As you read, find and highlight these vocabulary words in the passage: nymph, villainous, saps, commotion, noxious, secrete, triangular

**Part 2:** Match each word with its definition. Use a dictionary if you need help.

- |                     |  |
|---------------------|--|
| _____ 1. nymph      | a. shaped like a triangle                                |
| _____ 2. villainous | b. weakens   |
| _____ 3. saps       | c. wicked or evil  |
| _____ 4. commotion  | d. young insect that has not yet reached the adult stage |
| _____ 5. noxious    | e. unpleasant and harmful, usually refers to a smell     |
| _____ 6. secrete    | g. wild excitement                                       |
| _____ 7. triangular | h. to release a chemical substance from the body         |



**Part 3:** Use a vocabulary word from above to correctly complete each sentence.

















8. When the machine in the factory broke, it released a \_\_\_\_\_ odor into the air.
9. When the children were yelling and screaming, their mother walked in the room and asked, "What is all of this \_\_\_\_\_ about?"
10. Only a superhero can stop Dr. Dare's \_\_\_\_\_ plan to take over the world.

Name \_\_\_\_\_


## Money Notation




Write the amounts, then add.

						<u>\$3.41</u>
						+
						_____
						\$ _____
						_____
						_____
						_____
						_____
						_____
						_____
						_____
						_____
						_____
						_____


Write the problem, then solve.

 Jessica had \$2.43. Her mom gave her an allowance of \$3.50.  
How much does Jessica have altogether?

$$\begin{array}{r} \$2.43 \\ +\$3.50 \\ \hline \end{array}$$

 Matt had \$5.78. He paid \$3.25 for lunch.  
How much does Matt have now?

$$\begin{array}{r} \$5.78 \\ - \\ \hline \end{array}$$

 Brittany had \$4.80. She bought a set of baseball cards for \$0.60.  
How much does she have now?



ne \_\_\_\_\_

rite each number in word form and expanded form. Use place value to help you.

hundred thousands	ten thousands	thousands	hundreds	tens	ones
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1 3,452

\_\_\_\_\_

$$3,000 + 400 + \underline{\quad\quad\quad} + \underline{\quad\quad\quad}$$

2 10,380

\_\_\_\_\_

$$10,000 + 300 + \underline{\quad\quad\quad}$$

3 90,778

\_\_\_\_\_

$$90,000 + 700 + \underline{\quad\quad\quad} + \underline{\quad\quad\quad}$$

4 525,065

\_\_\_\_\_

$$500,000 + 20,000 + \underline{\quad\quad\quad} + \underline{\quad\quad\quad} + \underline{\quad\quad\quad}$$

5 171,308

\_\_\_\_\_

$$100,000 + 70,000 + \underline{\quad\quad\quad} + \underline{\quad\quad\quad} + \underline{\quad\quad\quad}$$

6 510,260

\_\_\_\_\_

$$500,000 + 10,000 + \underline{\quad\quad\quad} + \underline{\quad\quad\quad}$$

★ Circle the number with the greatest value. Underline the number with the least value.

**long and short o**

# Often-Used Os

Name \_\_\_\_\_

- auto
- bobbin
- bony
- closet
- cobra
- doctor
- elbow
- frozen
- hotel
- knot
- object
- poetry
- solemn
- solve
- total

Put a ✓ to the left of the words in the list that have a **short o** sound as in "hot." Put a \* to the right of the words in the list that have a **long o** sound as in "open."

Use the word list to answer each question.



1. What's another word for "sum"? \_\_\_\_\_
2. Which word names a snake?  \_\_\_\_\_
3. Which word describes ice cream? \_\_\_\_\_
4. Where might you stay on a vacation?  \_\_\_\_\_
5. Where is thread kept? \_\_\_\_\_
6. What can be tied in a rope?  \_\_\_\_\_
7. What happens when you find a solution? \_\_\_\_\_
8. What word means serious? \_\_\_\_\_
9. What's between the wrist and shoulder? \_\_\_\_\_
10. Which word describes rhyming verse?  \_\_\_\_\_
11. Where do clothes hang? \_\_\_\_\_
12. Who helps those who are sick? \_\_\_\_\_
13. Which word means "car"? \_\_\_\_\_
14. Which word describes a skeleton? \_\_\_\_\_

## My Own Words

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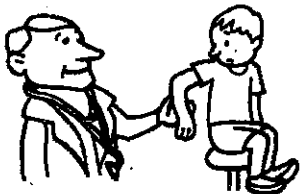
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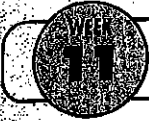
Match the boxed letter from each line to the numbered lines below to answer the riddle. *Where can you always find a lost object?*

- 5 8 12 4 3 7 1 11 12 10 7 1 2 3
- 14 9 13 7 9 9 6



**Let's Write!** Write a riddle or two using words from the list.





# Monday

Name: \_\_\_\_\_

Use context clues to determine the meaning of the bolded word below.

1. Michael loves studying reptiles and wants to be a **herpetologist** when he grows up.

\_\_\_\_\_

Correct these sentences.

2. mrs ellis said tonights homework is to write the preamble to the constitution

\_\_\_\_\_

3. does you got any puppies for pets

\_\_\_\_\_

Complete the analogies.

4. bird : airplane :: fish : \_\_\_\_\_

5. carrot : orange :: asparagus : \_\_\_\_\_



# Tuesday

Name: \_\_\_\_\_

Correct these sentences.

1. because he was exhausted from the trip harold go to sleep at 700 last wednesday

\_\_\_\_\_

2. emily and abby is learning to do the backstroke they want to be on the swim team

\_\_\_\_\_

Past, present, or future?

3. I went to the store and picked up a gallon of milk.

\_\_\_\_\_

4. She is shopping for a pair of socks.

\_\_\_\_\_

What contraction is made from these two words?

5. would not \_\_\_\_\_

Name: \_\_\_\_\_

Science Day 2

# Why Does Matter Matter?

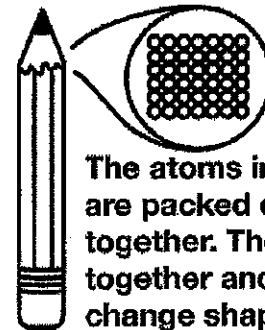
by Kelly Hashway

What do trees, air, and water have in common? They all have matter. That means they take up space. You might be wondering why these things look so different if they all have matter. Everything found on Earth can be grouped into one of three states of matter: solid, liquid, or gas. In order to figure out which state of matter an object fits in, we have to examine its properties. The properties we look at are shape, mass, and volume. Mass is the amount of matter an object has, and volume is the amount of space the matter takes up.

Solids are easy to recognize. They have definite shape, mass, and volume. Trees are solids. They are made up of tiny particles called atoms. These atoms are packed closely together, and they hold the solid in a definite shape that does not change. If you look around your house, you will see lots of solids. Televisions, beds, tables, chairs, and even the food you eat.

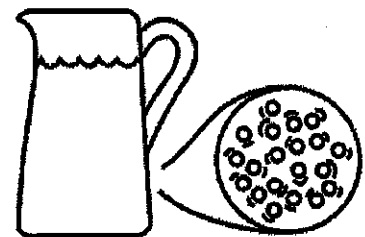
Liquids do not have definite shape, but they do have definite mass and volume. Liquids are similar to solids because their atoms are close together, but what makes a liquid different is that those atoms can move around. Liquids can change shape by flowing. If you've ever spilled a glass of milk, then you know it spreads out across the floor. It does this because the milk is taking the shape of the floor. Since liquids do not have a definite shape of their own, they will take the shape of their containers. This is why the same amount of milk can look different in a tall glass, a wide mug, or spread out on your kitchen floor.

## Solid



**The atoms in a solid are packed closely together. They bond together and do not change shape.**

## Liquid

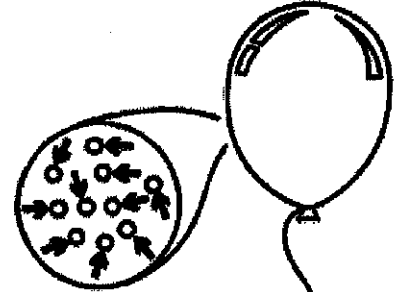


**The atoms in a liquid are close together. They slide around.**

Gases do not have definite shape or volume. Like liquids, gasses will take the shape of their containers. If a gas is not in a container, it will spread out indefinitely. This is because the atoms in a gas are spaced farther apart than in a solid or a liquid. And being spread out like this allows them to move around freely. Think about the air you breathe everyday. That air is spread across the empty space around the earth. You've probably also noticed that you usually cannot see the air. This is another property of gases. Even though we cannot see them, you come in contact with them everyday. There's air in the tires of your family car and your bicycle. There are many different types of gas in the earth's atmosphere, such as oxygen, carbon dioxide, nitrogen, water vapor, and helium.

When trying to remember the three states of matter, think about water. If it freezes into a solid, it becomes ice. Its atoms are packed together keeping its shape. Of course, we know water can also be a liquid. It flows in rivers or it can be poured from a glass. When water evaporates it becomes water vapor, a type of gas in the air. Try a little experiment of your own by placing an ice cube in a covered glass or container. You will be able to observe the ice first in its solid form and then watch as it melts into a liquid to become water. Eventually the water will turn to water vapor and your glass or container will be filled with this gas.

## Gas



**The atoms in a gas are spread out and move freely.**



**You can see three different states of matter in this picture. The pot is made of solid matter. The water inside the pot is liquid. When the liquid is heated it becomes water vapor, which is a gas.**

**Matter is everywhere! Can you find a solid, a liquid, and a gas around you right now?**

Name: \_\_\_\_\_

# Why Does Matter Matter?

by Kelly Hashway



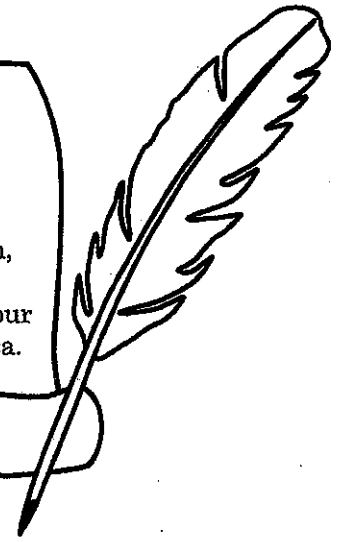
solids	volume	container	matter	ice	juice
gases	mass	atoms	chair	oxygen	melting
liquids	shape	space	milk	helium	

Choose a word from the box to complete each sentence.

- The three basic properties of matter are \_\_\_\_\_  
\_\_\_\_\_, and \_\_\_\_\_.
- All matter is made up of tiny particles called \_\_\_\_\_.
- Volume is the amount of \_\_\_\_\_ that matter takes up.
- Mass is the amount of \_\_\_\_\_ an object has.
- Liquids take the shape of their \_\_\_\_\_.
- \_\_\_\_\_ do not have a definite shape or volume.
- \_\_\_\_\_ do not have a definite shape, but they do have a definite volume.
- \_\_\_\_\_ have a definite shape and volume.
- A \_\_\_\_\_ and \_\_\_\_\_ are examples of solids.
- \_\_\_\_\_ and \_\_\_\_\_ are examples of liquids.
- \_\_\_\_\_ and \_\_\_\_\_ are examples of gas.
- Solid ice is \_\_\_\_\_ when it is changing into a liquid.

# The Constitution

**We the people** of the United States, in Order to form a more perfect Union, establish Justice, insure domestic Tranquility, provide for the common defence, promote the general Welfare, and secure the Blessings of Liberty to ourselves and our Posterity, do ordain and establish this Constitution for the United States of America.



The Constitution is the highest law in the United States. The Constitution was written in 1787 and has changed through "amendments" passed by the states. The first ten amendments describe the rights of all Americans. They are called The Bill of Rights.

The Constitution also describes the three main branches of government and their responsibilities. The judicial branch explains and interprets the law. This branch includes judges and the Supreme Court. The legislative branch makes the laws. It is made up of senators and state representatives—Congress. The executive branch makes sure the law is followed. This branch is headed up by the President of the United States, Vice President and executive officers.

Fill in the blanks to the following sentences about the above passage.

1. The constitution was written in \_\_\_\_\_.
2. States can change it by passing an \_\_\_\_\_.
3. The three main branches of government are: \_\_\_\_\_,  
\_\_\_\_\_, and \_\_\_\_\_.

Why do you think the Constitution is important?

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## **Physical Education Activities grades K-4.**

**Before engaging in fitness fun activities always do our warm-up activities: 20 jumping jacks; Arm circles forward/reverse (10 each); Neck Rolls forward/reverse (10 each); Jog in place/high knees (30 seconds each); Frog Hops (10)**

### **1. Move to Your Imagination**

Offer up a few ideas for creative ways to move and then let your kids' imaginations run free. Encourage kids to bend all around like a tree swaying in the wind. Have kids use their arms to spin like a helicopter or zoom like a fire truck through the streets. Show kids how to use arms and legs to cut like scissors. Help kids twist into shapes of letters in the alphabet.

### **2. Do-It-Yourself Indoor Olympics**

Compete in family indoor Olympic events with items around your house (clear away the breakables first!):

**Bowling:** Set up empty water bottles and knock 'em down with a ball.

**Hockey:** Grab a squishy ball for a puck and brooms for sticks.

**Volleyball:** Stretch a piece of string or yarn between two chairs. Hit a balloon back and forth over the net while sitting. Mix it up by playing on your knees, or hitting the balloon with your feet.

### **3. Gather a Hula-Hoop Group**

Head to the garage -- or clear some space -- for some hula-hoop fun. Kids can exercise different parts of the body by hooping around their waists, arms, or legs. Lay hoops on the floor in patterns so kids can jump from one to another. You can also toss hoops trying to loop them over stationary items. Or see who can roll their hoop the farthest.

### **4. Follow the Bouncing Ball**

How many ways can your kids bounce a ball? Find out in a room with space to move, a good bouncing floor, and not a lot of breakable stuff. Let kids try dribbling close to themselves and far away. Dribble fast and slow. Gather a group and try to bounce balls in sync

### **5. Get Up and Dance**

When it's nasty or dark outside, you can dance up a storm inside. Take turns having family members make up their own dances. Teach kids a line dance. Put on music and play "statues" where all the dancers must freeze like a statue whenever the music stops. Or just have an impromptu dance party with family or friends.

### **6. Make a Circus**

Turn your family room into the big top. Do balancing stunts, juggle, create tumbling routines, and even get the family pet in the act. If you're feeling especially ambitious, make it a week-long physical activity. Family members can practice each day to polish their acts. Then create costumes, invite neighbors, and put on a show.

## **7. Get Your Exergame On**

Any gaming system can become more active when you encourage kids to stand and move while playing. Or chose an "exergame" that requires movement such as Dance Dance Revolution, a high-intensity dance game used by some school PE classes. Kids dance on colored arrows on a step pad, following visual and musical cues. Other gaming systems let you play various sports, including snowboarding and boxing.

## **8. Let Your Kids Go Wild**

You say your house is a zoo? Then get your kids moving by pretending they're different animals. They can inch along the floor like worms, jump like kangaroos, kick and buck like wild horses, or creep like crocodiles, dragging their legs behind them. Have them slither or hop under, on, and around furniture as if your house were home to a moving menagerie.

## **9. A Day at the Races**

These fun races can help build strength and balance:

**Wheelbarrow race:** Walk on your hands while your partner "steers" by holding your legs.

**Beanbag race:** Walk-race with a beanbag on your head or clutched between your legs.

**Crab race:** Sit on the floor so your feet are flat, put your hands on the floor a little behind you, and push your bottom up off the floor. On your hands and feet, scuttle backward or forward to the finish line.

## **10. Get Bendy With Yoga**

Help kids get a good stretch by striking some yoga poses. It promotes body awareness, balance, posture, and concentration.

Try the modified lotus pose shown here. Sit in a cross-legged position: Put one foot on top of the opposite thigh. Do the same with the other foot.

Or place feet in a way that is comfortable (like the photo) to keep knees touching the ground.

## **11. Old-Fashioned Games**

Your kids can have fun with the same games you played when you were their age. Simple activities like hide-and-seek and scavenger hunts can offer great exercise indoors. Give "Follow the Leader" a fitness makeover by focusing on aerobic activities such as jumping jacks or running up and down the stairs to improve heart and lung fitness.

**12. Outside Fitness Fun Activities** Build a Snowman; Go Sled Riding; Build a Snow Fort; or Make Snow Angels. (Always remember to dress warm and appropriately for the weather.)





# John Williams, Composer and Pianist

4<sup>th</sup>

## Dates

Born: February 8, 1932 in Floral Park, New York

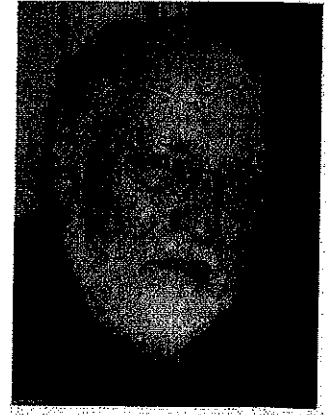
Died: Still Alive

## Nationality

American

## Style/Period

Modern (1910-NOW)



## Bio

John Williams was born on February 8, 1932, in Floral Park, New York. His father was a jazz pianist. In 1948, John moved with his family to Los Angeles, California, where he later attended college to study composition (writing music) at UCLA. After college, John was drafted into the United States Air Force, where he had the opportunity to conduct and arrange music for the Air Force band.

In 1954, after his service in the Air Force ended, John Williams moved to New York City, where he enrolled in the Julliard School of Music. After completing his studies at Julliard, John moved back to Los Angeles to begin working as a film orchestrator...writing music for movies, as well as, some television. This began a career that has lasted over six decades (more than 60 years!!), and still continues today!! During this time, John Williams has produced some of the greatest *film scores* (original music written specifically to accompany a film) of all time. John has also served as the Principle Conductor of the Boston Pops Orchestra, and is considered a very well-respected and well-known conductor in the world of music.

John Williams has been nominated for, and has won many awards. He has received 5 Academy Awards, and has been nominated 50 times. For Academy Awards, he has the most nominations of any living person, and is the second most nominated person of all time. The only person to ever have received more nominations is...Walt Disney.

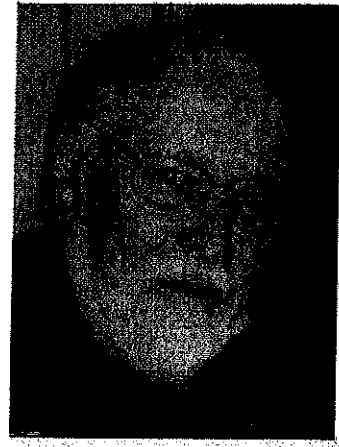
Some of Williams top film scores include:

- *Jaws* (1975)
- *Star Wars* (1977)—he has composed the music for 9 of the *Star Wars* movies!
- *Superman* (1978)
- *Indiana Jones, Raiders of the Lost Ark* (1981)
- *E.T. the Extra-Terrestrial* (1982)
- *Home Alone* (1990)
- *Hook* (1991)
- *Jurassic Park* (1993)
- *Harry Potter and the Sorcerer's Stone* (2001)

Name: \_\_\_\_\_

Teacher: \_\_\_\_\_

School: \_\_\_\_\_



## Meet the Composer

Name: \_\_\_\_\_

Born (Year): \_\_\_\_\_

Born (Where): \_\_\_\_\_

Jobs (list 3): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Which instrument did John Williams play? \_\_\_\_\_

From which two states did John Williams move back and forth? \_\_\_\_\_ and \_\_\_\_\_

Fun Fact: \_\_\_\_\_

\_\_\_\_\_

What does a composer do? \_\_\_\_\_

Name 3 films for which John Williams composed music:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_