

Student Name _____ Grade & Team _____

What Exploratory Class are you in? (Circle One)

Agriculture, Art, Band, Choir, Health, P.E.,

NTI DAY #8

(weather-closed school day)

PACKET EIGHT

(Agriculture, Art, Music)

Please note: All parts of THIS packet are to be done regardless of what Explore class (or if student is in band) your student has.

General Directions:

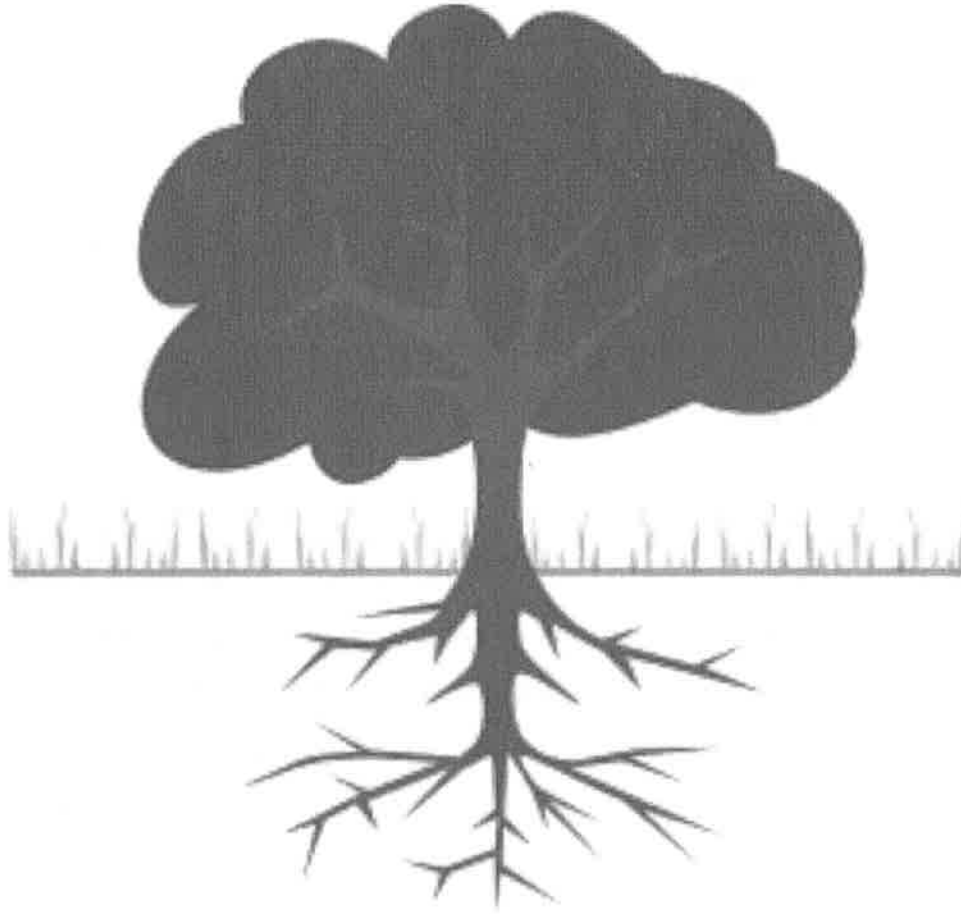
Due to weather, Harrison County Schools are closed. In an effort to utilize this day on the school calendar, your child is assigned and should work on this "packet" of school work today. It will count as a grade for this subject. The work attached is specific to the subject listed above. Please contact your child's teacher of this subject at 234-7123 in the event you/your student have questions on this packet. Staff and teachers reported to HCMS today and are available should you have questions.

While this is DUE no later than the last school day before the 3rd nine-weeks ends, we *strongly encourage* students to turn it in to their teacher as soon as it's complete (soon after the NTI day) to avoid it being lost, eaten by the family pet, burned to keep warm, etc ☺

MODIFIED

When Trees Get Thirsty

by Mimi Jorling



More than 60% of the human body is made of water. We have to drink every day to keep water in our bodies. Trees are similar. They are made of about 50% water, and, like us, they need to drink each day. But how do they do it?

Trees are plants and have roots, stems, branches, and leaves. The parts you can see are the stem (called a trunk), the branches, and the leaves. Trees also have roots below the ground that we can't see unless we dig up the soil. Even though we can't see them, the roots are very important.

Tree roots spread out all through the soil. They are busy doing two things down there. First of all, the roots hold onto the soil and keep the tree from falling over. Secondly, a tree's roots are like its mouth. They take in water, air, and nutrients from the soil to feed the entire tree, up to its very top. There are a few trees that can take water in through their leaves, but most trees cannot.

Scientists don't know exactly how trees pump water from below the ground up to their branches and leaves. They had a few different ideas, or hypotheses. These hypotheses were tested, and there was a lot of evidence that supported one of the hypotheses.

A tree trunk is made of tiny tubes, kind of like drinking straws. Water can actually move upward in these tubes if it is pulled. Scientists think that the sun pulls it up. When the sun shines on leaves, the leaves dry out. This process is called transpiration. It is water moving from the leaf to the air. The water moving out of the leaf needs to be replaced by more water, which comes from down farther in the trunk of the tree. This way, water is constantly going out of the leaves and coming in through the roots and up the trunk.

The next time you see a tree, think about the water that is inside of it and moving up toward its leaves. It's amazing!

Name: _____ Date: _____

1. What is about 50% of a tree made of?

- A. air
- B. water
- C. soil
- D. leaves

2. What does the author explain in the third paragraph?

- A. why people have to drink every day
- B. why a tree has leaves
- C. what tree roots do
- D. an hypothesis scientists have about trees

3. Read these sentences from the text.

"More than 60% of the human body is made of water. We have to drink every day to keep water in our bodies. Trees are similar. They are made of about 50% water, and, like us, they need to drink each day."

Based on this evidence, why might trees need to drink each day?

- A. to keep water inside themselves
- B. to become more similar to humans
- C. to spread their roots through the soil
- D. to get rid of their leaves

4. In what order does water probably move through the parts of a tree?

- A. Water enters through the roots, then moves to the branches, then the trunk, and finally the leaves.
- B. Water enters through the roots, then moves to the branches, then the leaves, and finally the trunk.
- C. Water enters through the leaves, then moves to the roots, then the branches, and finally the trunk.
- D. Water enters through the roots, then moves to the trunk, then the branches, and finally the leaves.

5. What is the main idea of this text?

- A. About 50% of a tree is made of water, while more than 60% of the human body is made of water.
- B. A tree's roots hold onto the soil and keep the tree from falling over.
- C. Trees are plants that take in water through their roots and pump it up to their branches and leaves.
- D. Scientists have different hypotheses about how trees pump water from below the ground and up to their branches and leaves.

6. Read these sentences from the text:

"More than 60% of the human body is made of water. We have to drink every day to keep water in our bodies. Trees are similar. They are made of about 50% water, and, like us, they need to drink each day. But how do they do it?"

Why might the author have asked the question, "But how do they do it?"

- A. to prepare readers for an answer to the question later on
- B. to express surprise that trees are made of about 50% water
- C. to call attention to how similar trees and humans are
- D. to contrast the amount of water in a tree with the amount of water in the human body

7. Choose the answer that best completes the sentence.

We can't see a tree's roots below the ground. _____, they are very important.

- A. Therefore
- B. Soon
- C. Certainly
- D. However

Buying Paint Supplies

by Kyria Abrahams



Alison couldn't believe she forgot her phone at home. Now she was lost.

She was supposed to meet Molly at Circle Art Supply at 6 a.m. Molly was in college, studying to become a painter. Today, she was going to teach Alison how to paint as well. In order to do that, they needed to buy some art supplies. They needed paint, brushes, and a canvas.

Alison liked to plan ahead. She wanted to pick an aisle to meet in, but Molly refused.

"Can't we have an alternate plan?" Alison begged. "Just in case?"

"No way! I have my phone, and you have your phone. Just text me when you get to Circle's. It will be easier that way."

Alison had to admit, using the phone to find each other did sound like the easier idea at first. But when Alison reached into her backpack to pull out her phone, there was nothing in the pocket but an old piece of gum. Now she was stuck, and not just to the gum!

Alison knew Molly had to be somewhere in the store, but *where*? She sat down to brainstorm.

"If I were a painter, what would I need? What aisle would I go to?" she asked herself. "Well, the first thing I would need, I guess, is paint!"

On the first floor of Circle Art Supply was a directory of what items you could find on each floor. Circle was located in New York City, and it was four stories tall. It was easy for someone to get lost inside of it, with the twists and turns of the hallways and stairwells.

Alison carefully studied the directory.

From the first floor, she could take the stairs to the second. But she couldn't get to the third floor from the second. Instead, she'd have to take an elevator to the fourth, and walk back down a flight of stairs. That meant the third floor was only accessible by the fourth floor.

Alison's head started to spin. Paint was on the third floor, but she was on the first. This was going to be confusing!

She went upstairs, then back down again. But she got lost! Alison walked down an extra flight of stairs and ended up on the second floor. Then she had to start all over again.

When Alison finally got to the third floor, she saw Molly standing in the paint aisle trying to call her.

"Where have you been?" Molly asked, flustered. "I have been trying to call your phone for twenty minutes!"

"Well," said Alison, "I guess you could say I've been walking around in *circles*."

Name: _____ Date: _____

1. Where is Alison supposed to meet Molly?
 - A. college
 - B. Circle Art Supply
 - C. the subway

2. What main problem does Alison face?
 - A. she cannot contact Molly
 - B. Molly is late
 - C. she doesn't want to paint

3. Molly does not like to make plans. What evidence from the text supports this conclusion?
 - A. "Molly is in college, studying to become a painter."
 - B. "Today, she was going to teach Alison how to paint as well."
 - C. "Alison liked to plan ahead. She wanted to pick an aisle to meet in, but Molly refused."

4. Why is it easy to get lost in Circle Art Supply?
 - A. because the building has twists and turns
 - B. because the building is old
 - C. because the building is in New York City

5. What is this passage mostly about?
 - A. a girl buying paint
 - B. a girl lost in an art store
 - C. a girl who studies art

6. Read the following sentences: "'Where have you been?' Molly asked, **flustered**. 'I have been trying to call your phone for twenty minutes!'"

What does "**flustered**" mean?

- A. upset
- B. calm
- C. quiet

7. Choose the answer that best completes the sentence below.

Alison reached into her backpack to grab her phone, _____ she found only a piece of gum.

- A. so
- B. after
- C. but

Jazz Music



Jazz music was one of the first American styles of music. It first started being played in the early 1900s. It was first played by African American musicians in the city of New Orleans. Jazz music grew out of ragtime, blues, and other kinds of music.

So, what does it sound like? It's hard to give an answer that fits all jazz music. But there are some things found in jazz that are not often found in other kinds of music.

One thing that sets jazz apart is that it often has improvisation. Improvisation is when musicians make their parts up on the spot. Sometimes in a jazz song, there is a section where someone can improvise a solo. The rest of the musicians play quietly in the background. Then, they trade. Someone else can then improvise their part.

Jazz also can have a syncopated beat. A syncopated beat is a beat that doesn't fall exactly where you think it will. Some beats feel a bit longer. Others feel a bit shorter. This can make some jazz music have a swingy feeling.

Jazz musicians also have a certain way of playing. They bring their own style to the music. So do jazz singers. For example, they may scoop up to hit notes, or play around with the melody.

Jazz is a very special type of music. Listen to a jazz song. What do you hear that makes it special?

Name: _____ Date: _____

1. Jazz music was one of the first American styles of music. Who first played jazz music?

- A. It was first played by Native American musicians in the city of New Orleans.
- B. It was first played by European musicians in the city of New Orleans.
- C. It was first played by African American musicians in the city of New Orleans.

2. The text compares Jazz music to other kinds of music. According to the text, what is one way Jazz music is different from other kinds of music?

- A. Jazz is made using instruments.
- B. Jazz has singing.
- C. Jazz has Improvisation.

3. Read the following sentences from the text:

One thing that sets jazz apart is that it often has improvisation. Improvisation is when musicians make their parts up on the spot...

Jazz musicians also have a certain way of playing. They bring their own style to the music. So do jazz singers. For example, they may scoop up to hit notes, or play around with the melody.

What does this information tell us about musicians who create jazz music?

- A. They can be free to use their creativity and style to make jazz music.
- B. They have to follow strict rules about how they make jazz music.
- C. They have a hard time playing jazz with other musicians.

4. Jazz can have a syncopated beat. Based on information in the text, how can a syncopated beat best be described?

- A. loud
- B. boring
- C. unpredictable

5. What is the main idea of the text?

A. Jazz music was first played by African American musicians in the city of New Orleans, and grew out of ragtime, blues, and other kinds of music.

B. Jazz is a very special type of music that can have improvisation, syncopated beats, and notes that reflect the style of the jazz musicians and singers that make the music.

C. Sometimes in a jazz song, there is a section where someone can improvise a solo while the rest of the musicians play quietly in the background before they switch roles.