The Air Around the Earth

There is air all the way around the earth. Here's a rule about the temperature of that air: When you go higher, the temperature gets lower.
Let’s say that the temperature on the ground is 70 degrees. You go up 1 mile. The temperature is now less than 70 degrees. It may be only 55 degrees.

You go up another mile. The temperature is less than 55 degrees. It’s 30 degrees.

Use the rule about temperature to answer the questions below:

- Tom is 1 mile high.
- Jerry is 3 miles high.

Who is colder?
Why?

---

**Herman Flies to Italy**

Herman was on a seat back of a jumbo jet. The inside of the plane had become very cold.

Herman watched a big dark move toward him. Herman tried to get out of the way, but his legs would hardly move. Very slowly, he crawled into a crack on the seat back. The big dark moved past him. Then another big dark moved past. The big darks were really crew members getting ready for the next flight. They were walking down an aisle of the plane.

Herman was on a seat right next to the aisle. The crew members walked right past Herman. One crew member was wearing a coat that brushed against the spot where
Herman had been. But Herman was in the crack of the seat, feeling very slow, very slow.

Then Herman began to feel faster. Herman could move his front feet faster. He peeked out of the crack and noticed that the plane was brighter now. He thought about flying, but it was too cold for that. So he crawled out on the seat and waited and waited for his body to get warmer.

By the time the passengers got on the plane, Herman was able to fly fairly fast. The plane was now 65 degrees. Some of the passengers said, “Oh, my, it’s cold in this plane.” When the plane moved down the runway, the inside of the plane was 70 degrees, and Herman was flying very fast. He was feeling quite good now and was looking for good things to smell and eat.

The plane took off and went up 6 miles. The inside of the plane was still 70 degrees. But the outside air was now 80 degrees below zero. The captain talked over the loudspeaker and told the passengers about the temperature outside the plane. “Wow,” some of the
passengers said. Herman said, “Bzz,” as he headed toward the galley.

The captain told the passengers, “Look at your map and you can follow our flight today. We left Japan and we’re flying straight to Italy. We will fly over China and Turkey on our way to Italy. The flight to Italy is 6 thousand miles and should take 13 hours.”
The country of Italy is very small compared to the
United States. Italy is about the same size as Japan. So
Italy is smaller than the state of Alaska. Italy is small, but
60 million people live there.
Italy is shaped something like a boot.
The jumbo jet circled several times and then landed.
The passengers cheered and waved as they got off the
plane. Nobody cheered for Herman. But Herman had just
traveled farther than any other insect that ever lived.
MORE NEXT TIME

**D** Number your paper from 1 through 26.

1. Write the letter of the plane that is in the coldest air.
2. Write the letter of the plane that is in the warmest air.

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**Story Items**

3. Why was Herman moving so slowly at the beginning of the story? Write the letter that answers the question.
   a. He was tired.   b. He was cold.   c. He was hot.

4. What made Herman start moving faster? Write the letter that answers the question.
   a. The plane got warmer.   b. The plane got colder.   c. Herman woke up.

5. After the plane took off, how high did it go?
6. Write the letter of the temperature inside the plane.
   a. 70 degrees   b. 80 degrees below zero   c. 90 degrees

7. Write the letter of the temperature outside a plane that is 6 miles high.
   a. 70 degrees   b. 80 degrees below zero   c. 90 degrees

8. Write the letter of the country the plane left.
   a. United States   b. Japan   c. Italy

9. Write the letter of the country where the plane was going.
   a. United States   b. Japan   c. Italy
10. Write the letters of the 9 places that are in the United States.

   a. Lake Michigan  
   b. Alaska  
   c. Japan  
   d. Chicago  
   e. California  
   f. San Francisco  
   g. Texas  
   h. Ohio  
   i. Italy  
   j. China  
   k. Denver  
   l. New York City  
   m. Turkey

---

**Skill Items**

The lifeboat disappeared in the whirlpool.

11. What word names an emergency boat that’s on a large ship?

12. What word tells what happened to the lifeboat when you couldn’t see it any more?

13. What word refers to water that goes around and around as it goes down?

---

**Review Items**

14. The United States is a __________.
   - country  
   - city  
   - state

15. Japan is a __________.

16. How many states are in the United States?
17. The biggest state in the United States is ____________.
   • Texas     • Alaska     • Ohio     • California

18. The second biggest state in the United States is ____________.

19. Write the name of the state in the United States that is bigger than Japan.
   • New York     • Alaska     • Ohio

20. Let’s say you are outside when the temperature is 35 degrees. What is the temperature inside your body?

21. Let’s say you are outside when the temperature is 70 degrees. What is the temperature inside your body?

22. Let’s say a fly is outside when the temperature is 70 degrees. What is the temperature inside the fly’s body?

Write **warm-blooded** or **cold-blooded** for each animal.

23. beetle
24. cow
25. cat
26. spider

8   Lesson 51
A

1. Jean is 2 miles high. Fran is 5 miles high. Who is colder? ________________________________

2. Tell why.
   - because she is colder
   - because she is higher
   - because she is lower

B  Story Items

3. How far is the trip from Japan to Italy?
   - 6 hundred miles  
   - 6 thousand miles  
   - 60 thousand miles

4. How long should that trip take?
   - 6 hours  
   - 12 hours  
   - 13 hours

5. Underline 2 countries the plane flew over on the trip.
   - Turkey  
   - United States  
   - Canada
   - England  
   - China

6. Underline the state in the United States that is bigger than Italy.
   - Ohio  
   - Alaska  
   - New York

7. Italy is shaped something like a _______.
   - horn  
   - shoe  
   - boot
8. When could Herman move fastest?
   - when it is 60 degrees
   - when it is 80 degrees
   - when it is 50 degrees
   - when it is 45 degrees

9. Write north, south, east, and west in the right boxes.

10. Make a J where Japan is.

11. Make a C where China is.

12. Make a T where Turkey is.

13. Make an I where Italy is.

14. Is the United States shown on this map? ________
Herman’s Last Trip

Herman ate and slept and felt warm and napped and smelled good things. For Herman, there was light and there was dark. There were things that smelled good and things that smelled bad. There were warm things and cold things. He didn’t know that he had traveled farther than
any other insect. And he didn’t know that the plane was on its way back to New York City.

The plane had landed in Italy. Passengers got off and passengers got on. The crew got off and a new crew got on. People serviced the plane. They checked the tires and filled the plane with jet fuel.

Do you know where the fuel tanks are on a big jet? They are in the wings. All the parts of the plane were checked. Then the plane took off. It was on its way back to an airport that Herman had seen before.

Look at the map. It shows the last part of the jet’s trip. Herman had gone west from New York City and west from San Francisco and west from Japan. Now Herman went west from Italy. And Herman was on his way back to New York City. By going west, Herman had gone all the way around the world.

When the plane landed in New York City, Herman caught a good smell and followed it. He left the plane. For the next couple of hours he buzzed around inside the airport. Then he went outside. It was hot and the air was filled with good smells. He landed on top of an airport bus. And that bus stopped a few blocks from the place ✦ where Herman was born. Herman didn’t know that he had come back to his home. He just knew that the sun felt very good and that it was time to eat. So he ate.

For the rest of the summer, he buzzed around with other flies, doing the things that flies do. He bothered
people, and he joined crowds of flies in garbage cans and other smelly places. He had a good time.

Then the days became colder and colder, and it was harder for Herman to move around. Summer was over. It was fall now. Every now and then, a warm day would make Herman feel frisky again, but most of the time, he moved very slowly.

One night early in November, the temperature dropped below freezing. The low temperature killed Herman and
millions of other flies. The next morning people woke up and looked outside. They saw frost sparkling on the sidewalks and on the cars. “Look at the frost,” they said. “It’s beautiful.” But for Herman there would be no more beautiful things—no smells and bright lights. There would be no fear of spiders. The insect that had traveled farther than any other insect was dead.
But Herman had a lot of children and grandchildren. In fact, the next spring, when the days got warm, Herman’s 8 thousand children and grandchildren were born. They were maggots, and they looked just like Herman had looked when he was a maggot. And many of these maggots grew up to be flies, just like Herman.

The next time you look at a fly, take a good look. Maybe that fly is one of Herman’s children or grandchildren.

THE END

C  Number your paper from 1 through 26.

Skill Items

Write the word from the box that means the same thing as the underlined part of each sentence.

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1. The snow **melted** when the sun came out.
2. The girls were **not** at home.
3. He **kept on** reading as he ate.
4. Look at object A and object B. Write one way that both objects are the same.

5. Write 2 ways that tell how object A is different from object B.

Object A

Object B

Use the words in the box to write complete sentences.

finally whirlpool eager colder lifeboat announcement traveled disappeared early

6. They were _______ to hear the _______.

7. The lifeboat _______ in the _______.

Review Items

8. When we talk about miles per hour, we tell how _______ something is moving.
9. Which arrow shows the way the air will leave the jet engines?
10. Which arrow shows the way the jet will move?

Write warm-blooded or cold-blooded for each animal.
11. flea  12. dog  13. horse  14. spider

15. Write the letter of the plane that is in the warmest air.
16. Write the letter of the plane that is in the coldest air.

17. Name a state in the United States that is bigger than Italy.
18. Italy is shaped something like a [rectangle].
19. Let’s say a fly is outside when the temperature is 85 degrees. What is the temperature inside the fly’s body?
20. Let’s say you are outside when the temperature is 85 degrees. What is the temperature inside your body?
21. Let’s say you are outside when the temperature is 50 degrees. What is the temperature inside your body?

22. What part of the world is shown on the map?
23. How far is it from A to B?
24. How far is it from C to D?

25. Would it be easier to catch a fly on a **hot day** or a **cold day**?
26. Would a fly move faster on a **hot day** or a **cold day**?
SPECIAL PROJECT

Use a large beach ball to make a globe of the earth. Cut out countries and paste them on your globe. Make labels for the following places:

- the United States
- Japan
- Italy
- New York City
- San Francisco
- Turkey
- China

- Show where Herman was born.
- Make an arrow to show where he went next.
- Make an arrow to show where he went after he left San Francisco.
- Make an arrow to show where he went after he left Japan.
- Make an arrow to show where he went after he left Italy.
Name ____________________________

Story Items

1. **Circle** 2 of the things below that would smell very good to Herman.
2. **Underline** one thing that would smell bad to Herman.
   - meat  •  soap  •  candy  •  garbage  •  gum

3. A plane that flies from Italy to New York City goes in which direction? ______________________________

4. What airport did Herman fly to in this story?
   - San Francisco  •  Kennedy  •  Italy

5. In what city is that airport?
   - Chicago  •  San Francisco  •  New York City

6. Where are the fuel tanks on a big jet?
   - in the rear  •  in the wings  •  in the galley

7. It was hard for Herman to move around in the fall because ________.
   - it was raining  •  the temperature went up
     •  the temperature went down

8. What killed Herman?
   - freezing  •  boiling  •  sleeping
9. Which letter shows where Italy is? ________________________

10. Which letter shows where New York City is? ________________________

11. Which letter shows where Turkey is? ________________________

Review Items

12. Sue is 10 miles high. Lynn is 6 miles high. Who is colder? ________________________

13. Tell why. ________________________

GO TO PART C IN YOUR TEXTBOOK.
Facts About Whirlpools

In the next lesson, you will start a story that tells about ocean liners, ocean water, and a giant whirlpool.

You have seen whirlpools in sinks. As the sink drains, the water near the drain moves around in circles. Anything caught in the whirlpool goes around and around faster and
faster as it gets closer to the drain. Finally, it goes down the drain.

The water in a whirlpool spins around and around. It also goes down.

Look at the objects caught in a whirlpool. The object farthest from the drain moves the slowest. Which object is that?

The object closest to the drain moves the fastest. Which object is that?

The object closest to the drain goes down the drain first. The object farthest from the drain goes down the drain last. In the picture, which object will go down the drain first?

Which object will go down the drain last?

Sometimes, large whirlpools form in the ocean. They are like giant drains that pull things around and down.
**Facts About an Ocean Liner**

Here are facts about an ocean liner:

- An ocean liner is a very large ship.
- An ocean liner carries passengers. Not all ships carry passengers. Most of them carry things like food, cars, stoves, or logs. But ocean liners carry passengers.
- Special names are used to talk about parts of a ship.
- The front of the ship is called the **bow**. The bow in the picture is marked with a **B**.
• The back of the ship is called the **stern**. The stern is marked with an **S**.
• The floors of a ship are called **decks**. One deck is marked with a **D**.
• The walls are called **bulkheads**. One wall is marked **BH**.
• Notice that the ocean liner in the picture is 200 meters long.
Facts About Ocean Water

Here are some facts about ocean water:

- Ocean water tastes salty because it has salt in it.
- If you drink a lot of ocean water, you’ll get thirstier.
- A bottle of ocean water weighs more than a bottle of fresh water because the ocean water has salt in it.
- It’s easier to float in ocean water than in fresh water.
- Ocean water must get colder than fresh water before it will freeze.

Look at the jars in the picture below. Figure out which jars are filled with ocean water.
Comparing Things

When you compare two things, you tell how the things are the same. Then you tell how they are different. When you tell how they are different, you use the word **but**.

Look at object A and object B.

![Diagram: Object A (circle) and Object B (small circle)]

When you compare object A and object B, first you tell a way they are the same: **They’re both circles.** Then you tell a way they are different: **Object A is big, but object B is not big.**

Compare object C and object D. First tell a way they are the same. Then tell a way they are different.

![Diagram: Object C (small red dots) and Object D (large blue dots)]

Compare object E and object F. First tell a way they are the same. Then tell a way they are different.

![Diagram: Object E (green circles) and Object F (green circles)]
Number your paper from 1 through 28.
1. Look at the picture. Jar A is filled with ocean water. Jar B is filled with fresh water. Which jar is heavier?
2. Which jar will freeze at 32 degrees?
3. Will the other jar freeze when it is more than 32 degrees or less than 32 degrees?

Skill Items

Look at object A and object B. Compare the objects.
4. Tell a way the objects are the same.
5. Tell a way the objects are different.
Here’s a rule: **Dogs have hair.**

6. Sam is not a dog. So what does the rule tell you about Sam?

7. Rex is a dog. So what does the rule tell you about Rex?

8. A jay is not a dog. So what does the rule tell you about a jay?

9. A poodle is a dog. So what does the rule tell you about a poodle?

---

**Review Items**

10. How far is it from New York City to San Francisco?

11. What ocean do you cross to get from San Francisco to Japan?

12. How far is it from San Francisco to Japan?
   - 15 hundred miles
   - 5 thousand miles
   - 3 thousand miles

13. How many legs does an insect have?

14. How many legs does a fly have?

15. How many legs does a bee have?

16. How many legs does a spider have?

17. How many parts does a spider’s body have?

18. How many parts does a fly’s body have?
19. Which letter shows where Italy is?
20. Which letter shows where China is?
21. Which letter shows where Turkey is?
22. Which letter shows where Japan is?
23. Is the United States shown on this map?
24. A plane that flies from Italy to New York City goes in which direction?
25. Where are the fuel tanks on a big jet?
26. It was hard for Herman to move around in the fall because [blank].
27. What killed Herman?
28. Write the letters of the 5 places that are in the United States.
   a. Denver e. Alaska
   b. California f. Lake Michigan
   c. Japan g. Italy
   d. New York City h. China
The picture shows 4 objects caught in a whirlpool.

1. Write 1 on the object that will go down the hole in the whirlpool first.
2. Write 2 on the object that will go down next.
3. Number the rest of the objects.

4. Put a B on 2 bulkheads.
5. Put an X on 2 decks.
6. Put a W at the bow.
7. Put an S at the stern.
The picture below shows jars of water on a very cold day.

8. What is the temperature of the water in each jar? ________________

9. Write OW on each jar that is filled with ocean water.

10. Jar F is filled with ocean water. How do you know? ________________

11. What does ocean water taste like? ________________

12. What will happen if you drink a lot of ocean water? ________________

GO TO PART F IN YOUR TEXTBOOK.
Linda and Kathy Escape from a Sinking Ship

“Fire! Fire!” a voice announced over the loudspeaker. “The forward deck is on fire,” the announcement continued. “Everybody, leave the ship. Get into the lifeboats!”

Linda and her sister were on their way from the United States to Japan. Linda was thirteen years old, three years older than Kathy. Their father was in Japan, and they were...
on their way to visit him. Three days before, they had left California on a great ship called an ocean liner. They were now somewhere in the middle of the Pacific Ocean.

"Fire! Fire!" the voice shouted. "Everybody get into the lifeboats!"

People were running this way and that way on the deck of the ship. They were yelling and crying.

👏 "Hold my hand," Linda said. The girls went to the lifeboats. People were all around them, pushing and
yelling. Linda could not see much. She was afraid. Suddenly she was no longer holding Kathy’s hand.

Just then a strong pair of arms grabbed Linda. “In you go,” a voice said. A big man picked Linda up and put her in the lifeboat.

“Where’s my sister?” Linda asked. Linda looked but she couldn’t see her younger sister.

“Kathy!” Linda called. Linda jumped from the lifeboat to the deck and started to look for her sister.

“Kathy! Kathy!” she called. 🌟 There was so much noise on the deck that Linda could hardly hear her own voice.

Then she saw Kathy, who was standing behind a crowd of people. Kathy was crying. Linda ran over to her. “Hold my hand and don’t let go,” Linda said. 🌟

Linda noticed that the deck of the ship was leaning more and more. The ship was sinking.

She grabbed Kathy’s hand and ran to the rail. “We’ve got to get into a lifeboat,” Linda said out loud. She rubbed
her eyes and tried to look for a lifeboat, but the front of the ship was hidden in smoke—enormous clouds of black, rolling smoke.

“Hello,” Linda shouted, “here we are.” But the smoke and the roar of the fire made her voice sound very thin.

Linda and Kathy walked along the rail at the stern of the ship. They looked into the water and called. But they couldn’t see much. Once in a while, the smoke would clear and they would see the water below.

Suddenly, the girls almost tripped over a large wooden crate that was on the deck. “We’ll use this for our lifeboat,” Linda said. She and Kathy pushed the crate over the side. The boat was leaning so much now that it was easy to push the crate over the side. The crate disappeared in the water.

“We need life jackets,” Kathy shouted.

Linda replied, “I don’t know where they are.” Then she said, “Hold your nose and jump.” Together, the girls jumped into the water. The water was very warm and it tasted salty. Linda was a good swimmer, but Kathy wasn’t.

Behind them were great rushing sounds of water as the huge ocean liner continued to sink. As the ship went down, water rushed toward the ship, pulling everything in its path down with the ship. It was a giant whirlpool. The currents of water were pulling Linda and Kathy. Where was that crate?

MORE NEXT TIME
C Number your paper from 1 through 24.

Skill Items

1. Compare object A and object B. Remember, first tell how they’re the same. Then tell how they’re different.

object A

object B

32 Lesson 54
The smoke swirled in enormous billows.
2. What word means that the smoke spun around and around?
3. What word means very, very large?
4. What word means that the clouds were swelling up?

Review Items

The picture shows objects caught in a whirlpool.

5. Write the letter of the object that will go down the whirlpool first.
6. Write the letter of the object that will go down the whirlpool next.
7. Write the letter of the object that will go down the whirlpool last.
8. Write the letter of the plane that is in the warmest air.
9. Write the letter of the plane that is in the coldest air.

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10. Name a state in the United States that is bigger than Italy.
11. Italy is shaped something like a _______.
12. The biggest state in the United States is _______.
13. The second biggest state in the United States is _______.
14. Write the name of the state in the United States that is bigger than Japan.
   - Ohio
   - Alaska
   - New York

15. Which eye works like one drop, a human’s eye or a fly’s eye?
16. Which eye works like many drops, a human’s eye or a fly’s eye?
17. Which eye can see more things at the same time, a human’s eye or a fly’s eye?
18. Write 2 letters that show bulkheads.
19. Write 2 letters that show decks.
20. Which letter shows where the bow is?
21. Which letter shows where the stern is?
22. What is the temperature of the water in each jar?
23. Write the letter of each jar that is filled with ocean water.
24. Jar B is filled with ocean water. How do you know?

32 degrees 32 degrees 32 degrees 32 degrees 32 degrees 32 degrees
Name __________________________

**Story Items**

1. Linda and Kathy were on a ship that was going from the United States to **[ ]**.
   - Canada
   - England
   - Japan

2. The girls were on their way to visit their _______________________

3. Did Linda and Kathy go in one of the lifeboats when the ship sank?

4. What did the girls plan to use for a lifeboat?
   - a raft
   - a crate
   - a boat

5. Which girl could swim well?
   - Linda
   - Kathy

6. Which girl was older? ________________________________

7. How much older? ________________________________

8. When the ship sank, it was in the middle of the _______________ Ocean.

9. A stranger lifted **[ ]** into a lifeboat.
   - Linda
   - Kathy

10. Why didn’t she stay in the lifeboat?
    - She went to find her sister.
    - She was scared.
    - She couldn’t swim.
Review Items

11. Write **north**, **south**, **east**, and **west** in the right boxes.
12. Which letter shows where Japan is? ______________________
13. Which letter shows where Italy is? ______________________
14. Which letter shows where Turkey is? ______________________
15. Which letter shows where China is? ______________________
16. Is the United States shown on this map? ______________________
**Facts About Islands**

You’re going to read a story about an island. Here are facts about islands:

- Islands are small.
- There is water on all sides of an island.
There are three islands on the map below. Find them.

C Linda and Kathy Find Land

The sinking ship was making a whirlpool. Great currents of water were pulling Linda and Kathy toward the ship. Only the bow of the ship was now above water. The bow was pointing into the air, and it was beginning to slip down into the water. The huge billows of smoke were beginning to clear. The currents were pulling things closer and closer to the sinking ship.

Linda and Kathy were swimming in the water. “There,” Linda said, pointing to the crate. It was only a few meters from them. Linda swam as fast as she could. She swam and swam, but she couldn’t seem to move in the current.
At last Linda reached out and grabbed a corner of the crate. She climbed on. The crate was floating high in the water. Linda pulled Kathy onto the crate. “Let’s paddle out of here before the current sucks us down with the ship,” Linda said.

So she and her sister got on their bellies and used their hands for paddles. They paddled as hard as they could. Behind them were loud rushing sounds of the sinking ship. Linda turned around and saw just the tip of the bow sticking above the water. The rushing sounds suddenly faded, and the ocean became quiet.

A huge trail of smoke still hung over the ocean, but there was no sign of the ship, except for a patch of water where bubbles were still coming up. Linda and Kathy looked and looked, but they could not see any of the lifeboats.

The girls sat on the crate with their feet in the salt water. Linda tried to sleep, but the sun was too hot. The salt water was starting to burn Linda’s feet. ✪

“I’m thirsty,” Kathy said.

Linda said, “You can’t drink the ocean water. It is full of salt. And salt water will just make you thirstier. You’ll have to be brave. Someone will find us soon.”

The girls waited for somebody to find them. But nobody did. They drifted farther and farther away from the place where the ocean liner had sunk. Slowly the sun went down. The air became cooler. Linda put her arm around
Kathy and tried to sleep. She tried and tried, but she was too thirsty and her feet hurt too much.

Then she heard something in the dark: “Wish-coooooo, wish-coooooo, wish-coooooo.”

“Those are waves,” Linda said. “Those are waves on a beach. We must be near land. Kathy, we’re near land.” The girls looked in the direction of the sound. Linda could see the outline of trees. Yes, they were near a shore.

A wave crashed over their crate. The wave swept the crate faster and faster toward the shore. Linda had a nose full of water. She grabbed her sister and held on as hard as she could. The girls tumbled from the crate. They were in the water, but the water was not deep. In fact, they were sitting in water that was only a few inches deep.

They waded from the water and walked along the beach. It was so dark that they could hardly see where they were going.
“I’m thirsty,” Kathy said. She sounded as if she was ready to cry.
“So am I,” Linda said. “But it won’t do us any good to cry.”

MORE NEXT TIME

D Number your paper from 1 through 23.
1. There are 3 islands on the map. Write the letter of each island.
2. A is not an island. Tell why.
Skill Items

Use the words in the box to write complete sentences.

swirled  announced  enormous  smelly
lifeboat  billows  crowd  whirlpool

3. The ______ disappeared in the ______.
4. The smoke ______ in ______.

5. Compare object A and object B. Remember, first tell how they’re the same. Then tell how they’re different.

![Object A](image1)

![Object B](image2)
Review Items

The closer an object is to the center of a whirlpool, the faster it moves.

6. Write the letter of the object that is going the fastest.
7. Write the letter of the object that is going the slowest.
8. The path is shown for objects A and D. Which object will go around more times, A or D?
9. Which path will go around the most times, the path for B, C, or D?
10. When we talk about how hot or cold something is, we tell about the _______ of the thing.
   • weight  • length  • temperature

11. When the temperature goes up, the number of _______ gets bigger.
   • miles  • degrees
   • hours  • miles per hour

12. Write the name of the city that’s on the east coast.

13. Write the name of the city that’s on the west coast.

14. Which letter shows where Denver is?

15. Which letter shows where Chicago is?
16. Which letter shows where Italy is?
17. Which letter shows where New York City is?
18. Which letter shows where Turkey is?
19. A plane that flies from Italy to New York City goes in which direction?

Jar X is filled with fresh water. Jar Y is filled with ocean water.
20. Which jar is heavier?
21. Which jar will freeze at 32 degrees?
22. Will the other jar freeze when it is less than 32 degrees or more than 32 degrees?

23. Linda and Kathy were on a ship that was going from the United States to ______.
Name _______________________

Story Items

1. Why did Linda have a hard time swimming to the crate?
   - She could not swim well.  
   - Currents held her back.  
   - She was weak.

2. What did Linda and Kathy use for a lifeboat?
   - a raft  
   - a craft  
   - a crate

3. What did the girls use for paddles?
   - oars  
   - hands  
   - boards

4. What made Linda’s feet sore?
   - the crate  
   - the salt water  
   - the sun

5. If you drank lots of ocean water, you would get __________.
   - sillier  
   - tired  
   - thirstier

Here’s a picture of Kathy and Linda on their crate.

6. Which arrow shows the way Linda’s hand will move? __________

7. Which arrow shows the way the crate will move? __________

8. Something made sounds that told Linda they were near the shore. What made those sounds?
   - waves on the beach  
   - birds in the trees  
   - fish in the waves

9. As the girls walked along the beach, they could hardly see where they were going. Tell why. __________________________
Review Items

10. Write north, south, east, and west in the right boxes.

11. Which letter shows where China is? ______________________

12. Which letter shows where Japan is? ______________________

13. Is the United States shown on this map? ______________________