B  Layers of the Earth

You learned a rule about piles. Which things went into the pile earlier? We use the rule about piles to figure out how things happened a long time ago.

Look at picture 1. It shows a large cliff. There are rows of stones and rocks and seashells. Each row is called a layer. The layers are piled up. That means the layers closer to the bottom of the pile came earlier.

Which layer went into the pile earlier, layer C or layer D?

When we look at the layers of rock, we find skeletons of animals and shells of animals. In layer B, we find strange fish and other animals that lived many millions of years ago. In layer D we find the skeletons of horses. Near the bottom of layer D, we find horses that are no bigger than dogs. Near
the top of layer D, we find horses that are as big as the horses of today.

When we look at layer C, we find the skeletons of some very strange animals. These are dinosaurs. Some of the dinosaurs were much bigger than elephants. Other dinosaurs had great spikes on their tails. No dinosaurs are alive today. The only place we find their bones is in one of the layers under ground. That is layer C. We can’t find dinosaur bones in layer B. We can’t find them in layer D.

The layers of rock tell us a great deal about things that happened millions and millions of years ago. They tell us what it was like when the great dinosaurs walked on Earth. There were no horses, bears, elephants or rabbits. There were no mice or cats. But there were many animals. Most of them were probably cold-blooded.

Some dinosaurs ate big animals. These dinosaurs were huge killers that could move fast. The ones that are found near the top of layer C stood almost 20 feet tall.

When we move above layer C, we find the beginning of animals that we know—horses, cats, bears, pigs. No layers show skeletons of humans. But if these skeletons were in the picture, they would be at the very top of the pile, in layer D.

Here’s another fact about the layers: When we dig a hole in any part of the world, we find the same layers. If we dig a hole in Africa or in Canada, we find skeletons of elephants near the top of the pile. We find dinosaurs in the next layer down.

The layer that has dinosaur skeletons is called the Mesozoic. The layer that came after the Mesozoic is the top layer. The top layer has no skeletons of dinosaurs. This layer is still being laid down. We live at the top of the top layer.
Skill Items

The smell attracted flies immediately.
1. What word means **right now**?
2. What word means **really interested** the flies?

Review Items

3. The sun shines __________
   - some of the time
   - all of the time

4. Can you see the sun all day long and all night long?

5. If you can see the sun, is it **daytime** or **nighttime** on your side of the earth?

6. What is it on the other side of the earth?

7. The earth turns around one time every __________ hours.

8. How many heat lines are hitting place X on the map?

9. Write the letter of the place that’s the coldest.

10. Why is place T hotter than place X?
11. Which object went into the pile first?
12. Which object went into the pile last?
13. Which object went into the pile earlier, the bone or the book?
14. Which object went into the pile earlier, the shoe or the bone?
15. Which object went into the pile just after the book?
16. Which object went into the pile just after the bone?

17. Things closer to the bottom of the pile went into the pile

18. Write the letter of the storm clouds.
19. Write the letter of the clouds that may stay in the sky for days at a time.
20. Write the letter of the clouds that have frozen drops of water.
Name ____________________________

Story Items

1. Write the letter of the layer that went into the pile first. _____

2. Write the letter of the layer that went into the pile next. _____

3. Write the letter of the layer that went into the pile last. _____

4. Which layer went into the pile earlier—B or C? _____

5. Which layer went into the pile earlier—A or C? _____

6. Write the letter of the layer where we would find the skeletons of humans. _____

7. Write the letter of the layer that has dinosaur skeletons. _____

8. Write the letter of the layer where we find the skeletons of horses. _____

9. What’s the name of layer C? ____________________________

10. Write the letter of the layer we live in. ____________________________

11. Are there any dinosaur skeletons in layer D? ____________________________

12. Which came earlier on Earth, dinosaurs or horses? ____________________________
13. Which came earlier on Earth, strange sea animals or dinosaurs? 

14. What kind of animals lived in the Mesozoic? 

**Review Items**

15. Write the missing seasons on the picture below.

16. Shade half of Earth A and half of Earth C.

---

**Diagram:**

- **A. winter**
- **B.**
- **C.**
- **D.**

---

*GO TO PART C IN YOUR TEXTBOOK.*
Dinosaurs of the Mesozoic

You've read about the Mesozoic. What kind of animals lived in the Mesozoic? The picture shows two of the most important dinosaurs that lived in the Mesozoic.

The huge killer that lived late in the Mesozoic is named Tyrannosaurus. Tyrannosaurus was about 20 feet tall, twice as tall as an elephant. The dinosaur with the horns and the armor is named Triceratops. Tyrannosaurus did not have an easy time killing Triceratops.
Edna Parker was thirteen years old. She had been out on her father’s ship before. But this was the first time that her father, Captain Parker, let Edna bring a friend along. This was going to be a great trip for Edna.

On other trips, Edna had a problem. She became bored. There was never anything for her to do on the ship after it left the harbor. Sometimes she would sweep up or help with the meals, but most of the time she just sat around and looked over the side of the ship at the swirling water. With Carla along, Edna would have fun.

Captain Parker was explaining the trip to the two girls. He pointed to a map of Florida and the Atlantic Ocean as he spoke.

“We are starting from here,” he said, pointing to the tip of Florida. “We are going to follow this dotted line to an island called Andros Island.” Captain Parker continued, “That means we will pass through a place where hundreds of ships have sunk or been lost. It’s called the Bermuda Triangle.” Captain Parker continued, “Many sailors say the Bermuda Triangle is the most dangerous part of the ocean.”

Carla’s face seemed to drop.

“Hey,” Captain Parker said, and smiled. “Nothing’s going to happen in a big ship like this. We are very safe. And this is not the stormy season.”

Carla asked, “Why is the Bermuda Triangle such a dangerous part of the ocean?”

“Bad seas,” the captain answered. “There are huge waves and storms that come up without any warning. And there are whirlpools.”

Edna said, “You know what whirlpools are, don’t you, Carla?”

“I think I know what they are,” Carla replied.

Captain Parker said, “Let me explain. Did you ever watch water that was going down the drain? Sometimes it spins around and around and it makes the shape of an ice cream cone.”

“I’ve seen those,” Carla replied. “They suck water right down the drain.”
“Yes,” Captain Parker said. “Those are tiny whirlpools. The kind of whirlpools that you find in the Bermuda Triangle are just like those, except they are big enough to suck a ship down.”

“Wow,” Carla said.

Edna was trying to imagine a huge whirlpool.

Captain Parker said, “Well, girls, Andros Island is only 120 miles from here, so we should arrive there in less than a day. We should have a smooth trip. The weather looks good. I am going to look over some maps now. You girls may play on deck, but stay away from the sides of the ship. And stay away from the lifeboats.”

“All right, Dad,” Edna said, and the girls rushed onto the deck.

---

D Number your paper from 1 through 27.

Use these names to answer the questions:

**Tyrannosaurus, Triceratops.**

1. What is animal A?
2. What is animal B?
Skill Items

Use the words in the box to write a complete sentence.

<table>
<thead>
<tr>
<th>immediately</th>
<th>restless</th>
<th>repeated</th>
<th>actually</th>
<th>moaned</th>
</tr>
</thead>
<tbody>
<tr>
<td>attracted</td>
<td>careless</td>
<td>ordinary</td>
<td>gently</td>
<td></td>
</tr>
</tbody>
</table>

3. She [ ] [ ] that [ ] mistake.
4. The smell [ ] flies [ ].

Review Items

Look at the map.
5. What’s the name of the place shown by the letter C?
6. Which letter shows the coldest place?
7. Which letter shows the hottest place?
8. Which letter is farthest from the equator?

9. During which season do ice floes start?
10. During winter in Alaska, you can walk far out on the ocean. Tell why.
11. What kind of boats do Eskimos use in the summer?
12. Why don’t they use those boats in the winter?
13. Which letter shows the part of the earth that receives more heat from the sun than any other part?
14. Which letter shows the part of the earth that receives less heat from the sun than any other part?

15. Which came earlier on Earth, dinosaurs or horses?
16. Which came earlier on Earth, strange sea animals or dinosaurs?

17. Write the letter of the layer that went into the pile first.
18. Write the letter of the layer that went into the pile next.
19. Write the letter of the layer that went into the pile last.
20. Which layer went into the pile earlier, B or D?
21. Which layer went into the pile earlier, A or D?
22. Write the letter of the layer where we would find the skeletons of humans.
23. Write the letter of the layer that has dinosaur skeletons.
24. Write the letter of the layer where we would find the skeletons of horses.
25. Write the letter of the layer we live on.
26. What’s the name of layer C?

27. What kind of animals lived in the Mesozoic?
Name ________________________________

A  Story Items

1. How old was Edna Parker? ________________________________

2. How did Edna usually feel on the ship?
   - happy       - bored       - nervous

3. Why wouldn’t Edna be bored on this trip? ________________________________

4. Where was the ship starting from? ________________________________

5. Where was it going? ________________________________

6. How far was the trip? ________________________________

7. How long would it take?
   - more than one day       - one day       - less than one day

8. Draw an arrow on the map below to show the trip.

[Map showing Florida and Andros Island with an x mark]
9. The ship would pass through a place where hundreds of ships have sunk or been lost. Name that place. ____________________________________________

10. **Underline** the 3 things you find in the Bermuda Triangle.
   - huge waves
   - mountains
   - streams
   - whirlpools
   - sudden storms
   - icebergs

11. As the girls left the map room, Captain Parker told them to stay away from the sides of the ship and the ____________________________________________

**Review Items**

Look at the picture below.

12. Shade the part of the earth where it is nighttime.

13. Which side of the earth is closer to the sun, A or B? __________________________

14. Which side of the earth is in nighttime? __________________________

15. Which side of the earth is in daytime? __________________________

![Diagram of Earth with Sun and A, B labels]
Looking for Something to Do

Edna and Carla had dashed out of the map room. They had run to the stern of the ship, where they watched the seagulls that followed the ship. The girls watched the waves roll off the stern of the ship.

Then the girls ran to the galley. The cook was busy. They tried to talk to him, but the only thing he wanted to talk about was how much his new gold tooth hurt. After the girls spent about five minutes in the galley, they went to the engine room.

The engine room in a ship is the place where the ship’s engine is. Some ships have engines that are as big as a school room. The engine of Captain Parker’s ship was not that big. It was about the size of a small truck.

The engineer looked at the girls and said, “What do you think you’re doing here?”

They told him that they were looking around. He replied, “If you want to stay here, I’ll put you to work. So if you don’t want to work, get out.”

The girls left the engine room. They walked around the front deck. They thought about climbing the ladder that went up to the top of the mast. But that seemed too scary.
At last the girls sat down on the front deck near a lifeboat. They sat and they sat and they sat. The girls tried to talk about different things. Edna studied the water. Then she realized that she was doing the same kinds of things that she used to do when she went alone on these trips. She was sitting in the sun watching the water.

The sea was very calm, like a sheet of glass. The ship sliced through the water and left waves that moved out in a giant V as far as Edna could see.

There were beads of sweat on Carla’s forehead. Carla said, “This Bermuda Triangle isn’t as exciting as they say it is.”

Edna nodded. “Yeah, this is boring.”

For a moment, the girls were silent. Edna heard the squawking sound of the seagulls and the steady hum of the great engine that powered the ship. Then Carla said, “I wish we had our own boat. Then we could have some fun. I could be captain and you would be my first mate.”

The girls looked at each other and smiled. Edna said, “Why don’t we pretend that we have our own ship?”

Carla said, “I see a boat we can use for our game.” She pointed to a lifeboat that was hanging at the side of the ship. It was ready to be lowered into the water in case of trouble.

Edna shook her head no. She said, “Remember what my dad told us? Stay away from the lifeboats.”

“Oh, come on, Edna. We won’t get in trouble if we are careful. We won’t touch anything. We’ll just sneak into the lifeboat and play for a while.”

“No,” Edna said slowly, looking at the lifeboat. Edna hadn’t made up her mind to do it, but she looked around to see if any of the crew members could see them. She was just trying to figure out how hard it would be to sneak into the boat. No crew members were in sight.

“Come on,” Carla said with a big smile. “Come on, Edna.”
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.

they'd  spices  center  leaning
we'd  discovered  throne  hay

1. They put the table in the middle of the room.
2. The horses came running to get some dried grass.
3. We would rather play a game.

Review Items

Use these names to answer the questions:
**Tyrannosaurus, Triceratops.**
4. What is animal K?
5. What is animal L?

6. Captain Parker's ship passed through a place where hundreds of ships have sunk or been lost. Name that place.
7. Write the letters of the 3 things you find in the Bermuda Triangle.
   a. streams   c. huge waves   e. ice floes
   b. sudden storms   d. whirlpools   f. mountains
8. When geese learn to fly, do they start in the water or on the land?
9. They run with their legs out to the side.
10. What's the name of the line that goes around the fattest part of the earth?
11. What's the name of the spot that's at the top of the earth?
12. What's the name of the spot that's at the bottom of the earth?

Choose from these words to answer each item:
- moon  
- Florida  
- sun  
- equator  
- geese  
- poles  
- Canada  
- migration

13. The heat that the earth receives comes from the [ ]
14. The part of the earth that receives more heat than any other part is the [ ]
15. The parts of the earth that receive less heat than any other part are called the [ ]

16. Write the letters of the 2 kinds of places that are safe for geese.
   a. places with a few geese  
   b. places with a few ducks  
   c. places with many geese  
   d. places with no geese or ducks

Write the name of each numbered object in the picture. Choose from these names:
- kayak  
- spear  
- Eskimo  
- fishing pole  
- sled  
- sled dogs

23. Do ice floes make noise in the winter?
24. Why do ice floes make noise in the spring?
25. In which direction will you drift when you're in an ocean current?
26. In which direction will you drift when you're in a strong wind?
A Story Items

1. How old was Edna Parker?

2. How did Edna usually feel on the ship?
   - happy
   - bored
   - nervous

3. As the girls left the map room, Captain Parker told them to stay away from the ____________________________ and the ____________________________.

4. Why didn’t the girls stay in the galley?
   - The cook complained about his tooth.
   - It was dirty.
   - It smelled bad.

5. The girls didn’t stay in the engine room because the engineer told them that they would have to ____________________________.
   - go to the galley
   - work
   - sing

6. The girls decided not to climb the ____________________________.
   - stairs
   - mast
   - flag pole

7. Did any of the crew members play with Edna and Carla?

8. Carla wanted to pretend that they were ____________________________.
   - on an island
   - on their own ship
   - on top of a mountain

9. Which girl wanted to play in the lifeboat?

10. How many crew members were watching while Edna and Carla talked about playing in the lifeboat?
Story Items

After Edna and Carla left the map room, they went to different places on the ship.

11. Write the letter that shows where they went just after they left the map room. ____________

12. Write the letter that shows where they went next. ______________

13. Write the letter that shows where they sat down in the sun. ______________

Review Items

14. How many Great Lakes are there? ______________

15. Color the Great Lakes on the map.
The Lifeboat

Carla and Edna were on the deck of Captain Parker's ship. Carla pretended to take out her spyglass and look around. "We're on an island," she said. "And there's our boat, pulled up on the beach." She pointed to the lifeboat. "I'm the captain and you're my first mate. So when I give an order, you carry it out."

Edna pulled off her shoes and socks and rolled up her pants to the knees. She tied a handkerchief around her head. She felt like a sailor now. "Yes sir, Captain, sir," she said as she stood up. The deck felt very hot on Edna's feet.

"Remember, we're on an island," Carla said. "We have to be very careful when we sneak into our boat. There are pirates on this island. Follow me."

Carla crouched down and tiptoed across the deck to the lifeboat. She climbed in the front. "The coast is clear," she said softly.

"Ouch, ouch, ouch," Edna whispered as she tiptoed across the deck. Edna jumped into the lifeboat. It rocked from side to side. It was held in the air by ropes that were attached to the bow and to the stern. Edna knew that you did something with the ropes to lower the boat into the water, but she wasn't sure how to do it. And she didn't want to find out.

For a moment, Edna had a bad feeling. They were doing something they shouldn't do. But then Edna explained things to herself. There wasn't anything else to do. None of the crew members would talk to them. And besides, they would be very careful.
Suddenly the boat dropped. Carla must have grabbed one of the ropes at the front of the boat or perhaps the rope just slipped. Edna didn’t know. All she knew was that the boat was falling like a high-speed elevator. The ropes were making a howling sound as they ran through the wheels that had been holding the lifeboat. Edna wanted to yell something, but her voice wouldn’t work.

The bow of the boat hit the water before the stern. Edna held on to the side of the boat as hard as she could. But when the boat hit the water, Edna went flying forward, bumping into Carla. A huge wave broke over the front of the lifeboat and sloshed around in the bottom of the boat. The boat bounced in the waves that the large ship was making. Another wave broke over the side of the boat. For an instant, Edna was amazed at how loud the waves were. From the deck the ocean seemed almost silent. But now there were rushing sounds, splashing sounds, sloshing sounds. The waves from the stern of the big ship hit the lifeboat and almost turned it over.

Carla tried to stand up. She was waving her arms and yelling. Edna yelled, too. “Help!” “Stop!” “Here we are!” they yelled. The girls
waved their arms. They continued to wave as the large ship became smaller, smaller, smaller. Then the girls stopped waving and continued to watch the large ship. Now it was only a dot on the glassy water.

Suddenly, as the girls watched the dot, a very cool breeze hit them from behind. The air suddenly had a different smell. The windroughed up the surface of the water.

Edna turned around and looked up. Behind the lifeboat was a great storm cloud. It rose up and up. “Oh no,” Edna said. Then her mind started to work fast. “Let’s start bailing water out of this boat. We’re in for a storm.”

When the girls started bailing, there was about 5 inches of water in the bottom of the boat. The girls bailed and bailed. The waves got bigger and bigger. Now there was only about 3 inches of water in the boat, but the waves hitting the boat were very big and they were starting to splash over the side. The girls bailed and bailed and the waves splashed and splashed. Now there was about 4 inches of water in the boat.

The girls had to stop bailing when a terrible wind hit the boat. The waves were so large that Edna had to hang on to the side of the boat. She just kept hanging on and hoping that the storm would stop. But the waves were now over 20 feet high and the winds were moving forty miles per hour. The boat was going up and down the waves.

C Number your paper from 1 through 19.

Here are three events that happened in the story. Write beginning, middle or end for each event.
1. The girls had to stop bailing when a terrible wind hit the boat.
2. The ropes were making a howling sound as they ran through the wheels that had been holding the lifeboat.
3. Carla pretended to take out her spyglass and look around.

Review Items
4. In which direction do geese fly in the fall?
5. What is this trip called?
6. Geese live in large groups called ___.
7. Where are most wild geese born?

8. Write the letter of the clouds that may stay in the sky for days at a time.

9. Write the letter of the storm clouds.

10. Write the letter of the clouds that have frozen drops of water.

11. Which letter shows the place that has the warmest winters?

12. Which letter shows the place that is closest to the equator?

13. Which letter shows the place that is closest to a pole?

14. Is the North Pole or the South Pole closer to that letter?

15. The earth makes a circle around the sun one time every ______.

16. How many days does it take the earth to make one full circle around the sun?

17. During winter at the North Pole, how much does the sun shine?
   - never
   - all the time

18. During summer at the North Pole, how much does the sun shine?
   - never
   - all the time

19. Name 2 things that can make an ice chunk drift.
Name __________________________

A Story Items

1. When today's story began, Edna and Carla were pretending they had their own ship. Who was the captain? __________________________

2. Underline 3 things the first mate did to look more like a sailor.
   - took off her shoes
   - wore a sailor suit
   - wrapped a handkerchief around her head
   - wore short pants
   - rolled up her pants

3. What happened to the lifeboat when the girls were in it?
   - It dropped into the water.
   - It turned over.
   - It rang a bell.

4. What part of the lifeboat hit the water first, the bow or the stern? __________

5. What happened to Edna when the boat hit the water?
   - She fell out of the boat.
   - She bumped into Carla.
   - She hit her head.

6. What 2 things did the girls do to make the people on the large ship notice them? __________________________

7. Did anyone notice them? __________________________

8. When Edna and Carla turned around, they saw one of these clouds. Write the letter of that cloud.

   A
   B
   C
9. When the girls started bailing, there was about ____________ inches of water in the boat.

10. What made the girls stop bailing?
   - a whirlpool
   - a wind
   - an airplane

11. At the end of the story, how high were the waves? ________________

12. How fast were the winds moving? ________________

**Review Items**

13. In which direction do geese migrate in the fall? ________________

14. In which direction do geese migrate in the spring? ________________

15. Write the directions **north**, **south**, **east** and **west** in the boxes.

16. Make a line that starts at the circle on the map and goes north.

17. If you start at the circle and move to the number 2, in which direction do you go? ________________

**GO TO PART C IN YOUR TEXTBOOK.**
A

1. thunder
2. shallow
3. blinding
4. somehow
5. lightning

2. moaned
2. funnel-shaped
3. stumbled
4. aloud
5. tearing

B

Facts About Whirlpools

In today's story, you will read about a whirlpool. Here are facts about whirlpools:
- Whirlpools are made up of moving water.
- A whirlpool is shaped like a funnel.

Here is a funnel. It is wide on top and narrow on the bottom.

Here is a whirlpool. It is wide on top and narrow on the bottom.

- The water in a whirlpool spins around and around. Something caught in a whirlpool goes around and around as it moves down.
A Giant Whirlpool

Now it was starting to rain. The small lifeboat was sliding up huge waves and then down the other side of the waves. Edna felt sick and dizzy.

Just then the boat reached the top of a wave, and Carla shouted, “I see land.” She pointed.

The lifeboat slid down the wave and Edna could not see anything but water. Then the boat moved up, up, to the top of another wave. Now Edna could see what Carla had pointed to. But it wasn’t land. It was a wave, much bigger than the other waves.

“Hang on,” Edna shouted. “A giant wave is coming toward us.”

For an instant, everything became bright as lightning shot through the sky. A boom of thunder followed. The huge wave was now very close to the boat. Edna looked up to the top of it. It was like a cliff of water with a white, foaming top.

Somehow, the boat moved up the huge wave—up, up, very fast. And now faster. The boat was moving so fast that Edna couldn’t see what was happening. More lightning. Thunder. Edna had to close her eyes. She was dizzy. Dizzy.

The boat wasn’t just moving up. It was moving around and around. The boat was moving so fast that Edna could hardly tell which direction was up and which direction was down. But she could see that the boat was on the top of a huge funnel-shaped cone of water. The boat was being sucked into a giant whirlpool.

Edna tried to say something, but her voice wouldn’t work. She pointed down to the bottom of the whirlpool. It seemed to be hundreds of meters below the tiny boat.

The next things happened very fast. They happened so fast that Edna was never sure exactly what happened or why. First, there were large hailstones—hundreds of them. For an instant, Edna noticed them floating in the boat, which was quickly filling up with water. So much hail came down that everything seemed to be white. The hail was hitting the girls, but Edna couldn’t even feel it. Suddenly, there was a great flash and a great spray of water. The flash was blinding.

Later, Edna thought a lot about that flash and the splash. Later she talked to Carla about it. The girls figured out that the lightning must have hit the water right in front of their boat. The lightning must have hit with so much power that it sent the boat flying through the air. After the flash was the giant splash. That must have been the splash that the boat made when it came down. The boat must have landed far from the whirlpool.
The hail continued to fall for a few minutes. Then it stopped, and a steady rain began to fall. For hours, the rain came down. The wind died down and the waves became smaller and smaller. Finally the rain stopped. Without any warning at all, it stopped. The sea was calm again, and Edna was sick. Edna didn’t want to talk. She didn’t want to move. She was dizzy. She was lying near the back of the boat. The boat was half-filled with water now. Edna moaned, “Oooh.” She wasn’t sure she knew where she was anymore.

Carla was in the front of the boat, talking to herself. “I don’t believe this,” she said over and over. “I don’t believe this. I want to go home.”

Edna looked over the side of the boat. But she didn’t see deep blue water that seemed to go down forever. She saw shallow water and sand. The boat was now in water that was only about a meter deep. Slowly, Edna looked around. “Land,” she said aloud. She pointed to a row of palm trees and a beach that was about half a mile away. “Land,” she said again. She was standing up and stepping over the side of the boat.

“Land,” she said and stumbled into the water. She fell down and got up and started to wade toward the trees. She wanted to be on land. She wanted to be on something that would not rock and bounce and make her dizzy. “Land,” she said.
Skill Items

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

<table>
<thead>
<tr>
<th>hooves</th>
<th>tame</th>
<th>modern</th>
<th>tusks</th>
</tr>
</thead>
<tbody>
<tr>
<td>charging</td>
<td>English</td>
<td>ancient</td>
<td></td>
</tr>
</tbody>
</table>

1. We visited the very, very old city.
2. My pet goat is not wild.
3. The hunters wanted the elephant's large, curved teeth.
4. We visited a very new city.

Review Items

The rim of the volcano exploded.

5. What word means made a bang and flew apart?
6. What word means a mountain formed from hot flowing rock?
7. What word means the top edge of the volcano?

8. The earth is shaped like a .

9. The s are the coldest places on the earth and the is the hottest place on the earth.

10. At which letter would the winters be very, very cold?
11. At which letter would the winters be very, very hot?
12. Write the letter of the earth that has the North Pole tilting away from the sun.
13. Write the letter of the earth that has the North Pole tilting toward the sun.
14. Write the letter of the earth that has darkness all around the North Pole.
15. Write the letter of the earth that has daylight all around the North Pole.
16. Write A, B, C and D. Then write the season each earth in the picture shows.

17. Are killer whales fish?
18. Tell if killer whales are warm-blooded or cold-blooded.
1. Whirlpools are made up of moving ____________________________.

2. A whirlpool is shaped like a ____________________________.

3. What happens to something that gets caught in a whirlpool? ____________________________

4. What happened to the lifeboat when the girls got in it? ____________________________

5. When today's story began, Carla shouted that she saw land. What did she really see? ____________________________

6. When could Edna see in the distance?
   - at the top of a wave  
   - at the bottom of a wave

7. After the giant wave hit, the boat was being sucked into a ____________________________.

8. Some things happened so fast that Carla and Edna had to try to figure out what they were. What two things did Edna remember? ____________________________

9. What made the blinding flash? ____________________________

10. What fell from the sky? ____________________________

11. Did the boat land near the whirlpool? ____________________________

12. How did Edna feel when the sea was calm again? ____________________________

13. About how deep was the water when Edna stepped out of the lifeboat? ____________________________

14. About how far was it from the lifeboat to the beach? ____________________________

© SRA/McGraw-Hill. All rights reserved.
Review Items

15. Write **north**, **south**, **east** and **west** in the correct boxes.

16. In which direction is ocean current **P** moving? ____________________________________

17. In which direction is ocean current **Q** moving? ____________________________________

18. Which direction is the wind coming from? ____________________________________________

19. Make an arrow next to ice chunk **R** to show the direction the current will move the ice chunk.

20. Make an arrow above ice chunk **S** to show the direction the current will move the ice chunk.