

Zoe and the Dinosaur Magnet Mystery

Grade 3

Science

Nonfiction

Dinosaurs Theme

~135 words

NGSS.3-PS2-3

Name: _____ Date: _____

 **READ — READ THIS PASSAGE CAREFULLY. YOU MAY READ IT TWICE.**

Zoe visited a dinosaur museum with her class. The museum had a special magnet lab near the fossils. Zoe picked up a magnet shaped like a T. rex. She held it close to a metal clip. The clip jumped toward the magnet. Zoe learned that magnets pull certain metals toward them. This pulling force is called ****attraction****. Next, Zoe tried two magnets together. She pushed the same ends toward each other. The magnets pushed apart instead of sticking. Zoe discovered that magnets can also repel, or push away. Then Zoe tested a dinosaur bone fossil. The magnet did not pull the bone at all. She found out that magnets only attract some metals. They do not attract plastic, wood, or bone. Zoe left the lab knowing that magnets have invisible forces that push and pull.

 *Tip: Read the passage twice before turning to the questions on the next page.*

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Questions

 **ANSWER** USE THE PASSAGE ON PAGE 1 TO HELP FIND YOUR ANSWERS.

MAIN IDEA

1. What is this passage mostly about?

TEXT EVIDENCE

2. What happened when Zoe held the magnet close to the metal clip? Use evidence from the passage in your answer.

VOCABULARY

3. What does the word attraction mean as it is used in this passage?

INFERENCE

4. Why do you think Zoe tested the dinosaur bone fossil with the magnet?

CAUSE AND EFFECT

5. What happened because Zoe pushed the same ends of two magnets together?

TEXT EVIDENCE

6. What did Zoe find out when she tested the dinosaur bone fossil? Use words from the passage to support your answer.

✓ ANSWER KEY — Zoe and the Dinosaur Magnet Mystery

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TEACHER / PARENT USE ONLY — Suggested answers shown below each question

Zoe visited a dinosaur museum with her class. The museum had a special magnet lab near the fossils. Zoe picked up a magnet shaped like a T. rex. She held it close to a metal clip. The clip jumped toward the magnet. Zoe learned that magnets pull certain metals toward them. This pulling force is called **attraction**. Next, Zoe tried two magnets together. She pushed the same ends toward each other. The magnets pushed apart instead of sticking. Zoe discovered that magnets can also repel, or push away. Then Zoe tested a dinosaur bone fossil. The magnet did not pull the bone at all. She found out that magnets only attract some metals. They do not attract plastic, wood, or bone. Zoe left the lab knowing that magnets have invisible forces that push and pull.

MAIN IDEA

1. What is this passage mostly about?

This passage is mostly about Zoe exploring how magnets work during a visit to a dinosaur museum. She discovers that magnets can attract and repel different objects.

TEXT EVIDENCE

2. What happened when Zoe held the magnet close to the metal clip? Use evidence from the passage in your answer.

The passage says, "The clip jumped toward the magnet," which shows that the magnet pulled the metal clip toward it.

VOCABULARY

3. What does the word attraction mean as it is used in this passage?

In this passage, attraction means the pulling force that a magnet uses to draw certain metals toward it. Zoe saw attraction happen when the metal clip jumped toward her magnet.

INFERENCE

4. Why do you think Zoe tested the dinosaur bone fossil with the magnet?

Zoe probably tested the fossil because she was curious whether magnets attract all objects, not just metal ones. Since she was in a dinosaur museum, testing a fossil was a natural next step in her investigation.

CAUSE AND EFFECT

5. What happened because Zoe pushed the same ends of two magnets together?

Because Zoe pushed the same ends of two magnets together, the magnets pushed apart instead of sticking. This showed her that magnets can repel, or push away, certain objects.

TEXT EVIDENCE

6. What did Zoe find out when she tested the dinosaur bone fossil? Use words from the passage to support your answer.

The passage states, "The magnet did not pull the bone at all," which shows that magnets do not attract every object they touch.