

## Word Play

Write a word from the word bank for each clue.

energy

loudness

heat

vibrate

1 how loud or soft a sound is

1 - - - - -

2 to move back and forth  
very quickly

2 - - - - -

3 can cause matter to  
move or change

- - - - 3 -

4 energy that makes  
things warmer

4 - - 5

Solve the riddle. Write the circled  
letters in order on the lines below.

I am energy that lets you see. What am I?

1 2 3 4 5



## Word Play

Write a word from the word bank on each line to complete the friendly letter.

magnets

poles

attract

repel

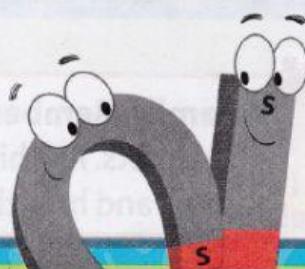
Dear Uncle Herbie,

Thanks for the science kit! I like the \_\_\_\_\_ the best. They make some objects move without touching them. I used the big magnet to \_\_\_\_\_ an iron nail.

Each magnet has two places where the pull is the strongest. These places are called \_\_\_\_\_. When two poles that are the same are pointed toward each other, they \_\_\_\_\_. They push apart really hard.

Your niece,

Olivia



## Vocabulary Review

Use the terms in the box to complete the sentences.

energy  
pitch  
pole

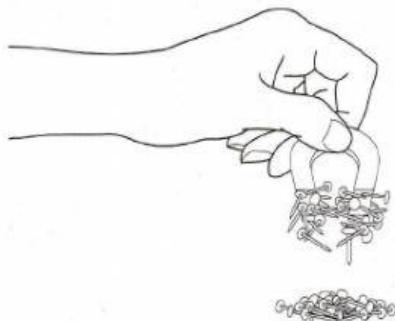
1. The place on a magnet where the pull is greatest is the \_\_\_\_\_.
2. Something that can cause matter to move or change is \_\_\_\_\_.
3. How high or low a sound seems is called \_\_\_\_\_.

## Science Concepts

Fill in the letter of the choice that best answers the question.

4. What kind of energy results when an object vibrates? Ⓐ heat Ⓑ light Ⓒ sound	5. What kinds of objects can a magnet attract? Ⓐ all objects Ⓑ only other magnets Ⓒ objects made from iron or steel
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6. What does this picture show about magnets?



- (A) Magnets must touch objects to repel them.
- (B) Magnets must touch objects to attract them.
- (C) Magnets can attract objects without touching them.

7. Which are kinds of energy?

- (A) heat, light, and sound
- (B) heat, magnets, and light
- (C) light, sound, and magnets

8. What kinds of energy does the sun give off?

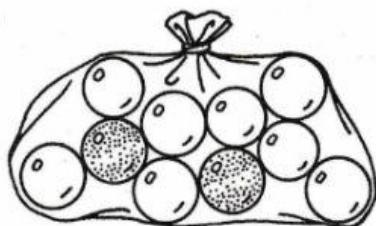
- (A) heat and light
- (B) light and sound
- (C) heat, light, and sound

9. What happens when sound energy increases?

- (A) A sound vibrates.
- (B) A sound gets louder.
- (C) The pitch of a sound goes up.

10. Which of these objects can a magnet attract?

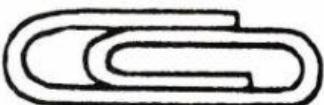
(A)



(B)



(C)



11. What happens when heat is taken away from an object?

- (A) There is no change.
- (B) An object gets cooler.
- (C) An object gets warmer.

12. Which word tells what happens when two magnets push away from each other?

- (A) attract
- (B) pitch
- (C) repel