

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

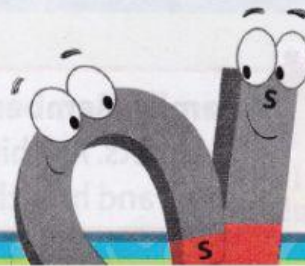
repel

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

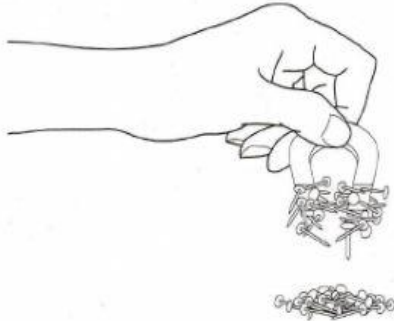
1. The place on a magnet where the pull is greatest is the _____.
2. Something that can cause matter to move or change is _____.
3. How high or low a sound seems is called _____.

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

6. What does this picture show about magnets?



- Ⓐ Magnets must touch objects to repel them.
 - Ⓑ Magnets must touch objects to attract them.
 - Ⓒ Magnets can attract objects without touching them.
7. Which are kinds of energy?
- Ⓐ heat, light, and sound
 - Ⓑ heat, magnets, and light
 - Ⓒ light, sound, and magnets

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

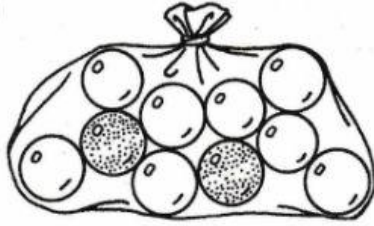
- Ⓐ heat and light
- Ⓑ light and sound
- Ⓒ heat, light, and sound

9. What happens when sound energy increases?

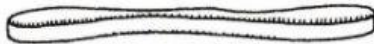
- Ⓐ A sound vibrates.
- Ⓑ A sound gets louder.
- Ⓒ The pitch of a sound goes up.

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