

Name _____

Date _____

Forms of Energy

Use the words below to fill in the blanks.

thermal

energy

light

electrical

mechanical

sound

1. _____ energy is produced by vibration.
2. Joe and Paul are throwing a baseball in the backyard. They are using _____ energy to throw the baseball.
3. Energy detected by sight is _____.
4. Mary was cooking dinner on the stove, she was using _____ energy.
5. Moving electrons produce _____ energy.
6. _____ is what is needed to do work or cause change.

Match the word with the correct definition.

- | | |
|---------------------------|---|
| 7. _____ circuit | • to move or travel smoothly in a certain direction |
| 8. _____ conductor | • a complete electrical connection around which current flows |
| 9. _____ electric current | • a material that allows heat or an electric current to flow through easily |
| 10. _____ open circuit | • a material through which heat or electricity does not easily flow |
| 11. _____ flow | • the pathway through which electricity flows |
| 12. _____ insulator | • the flow of electrical energy through a circuit |
| 13. _____ closed circuit | • a break within a electrical connection around which current flows |

Use the following words to fill in the blanks.

reflection straight transparent transmitted opaque
lens refraction absorb translucent

14. Light travels in a _____ line.
15. When light bends passing through one material to another, it is known as _____.
16. _____ material allows all light to pass through.
17. _____ happens when light bounces off shiny surfaces.
18. A teddy bear is an example of an _____ medium.
19. Light is _____ when it passes through clear glass.
20. A _____ medium will allow some light to pass through.
21. Light is _____ when it goes into a material and stops.
22. A curved piece of glass or plastic designed to refract light is a _____.

CER

Shelby looks in a mirror and sees her reflection as she is getting ready for school. She knows that light travels in a straight path and bounces off the mirror glass and reflects her image. After cleaning her teeth, Shelby puts her toothbrush into a glass of water. She notices the toothbrush appears to be bent in the water. When she takes the toothbrush out of the water, it is still in its normal state and is not bent. Why does the toothbrush look bent in the water?

Use the RACE Strategy to express your answer.
