



Name .....	Gr. / 4	Subject/ Science	Worksheet#1
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Unit:9, Lesson:1

## What Are Some Forms of Energy?

T.B. Pgs. 429 - 443

### Lesson Vocabulary

- **energy:** the ability to cause change in matter
- **kinetic energy:** the energy of motion
- **potential energy:** the energy something has because of its position or condition
- **mechanical energy:** the total potential energy and kinetic energy of an object
- **chemical energy:** energy that can be released by a chemical change
- **electrical energy:** energy that comes from electric current

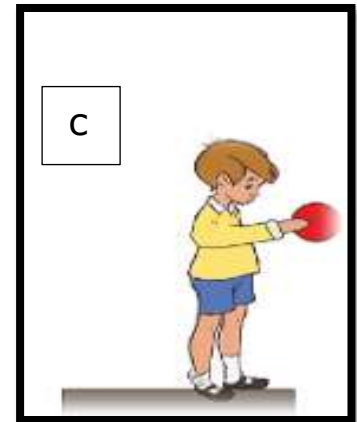
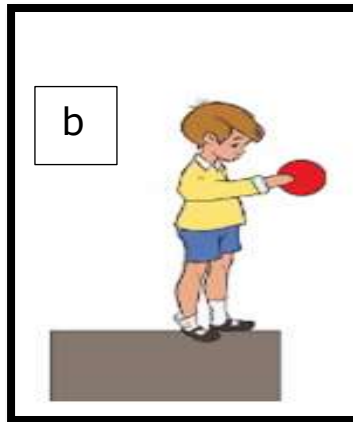
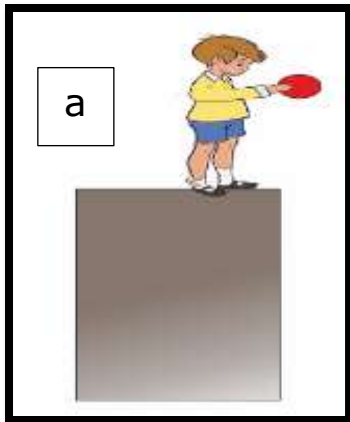
**Q1. Fill in the blanks.**

- 1- ..... is the ability to cause change in matter.
- 2- ..... is the energy of motion.
- 3- ..... is the energy something has because of its position or condition.
- 4- ..... is the total potential energy and kinetic energy of an object.
- 5- People and animals get energy from .....
- 6- ..... is the car's source of energy.
- 7- .....is energy that can released by a chemical change.
- 8- ..... is energy that comes from electric current.
- 9- ..... is made when something moves back and forth quickly.
- 10- ..... energy from food gives us energy.

**Q2. Choose the correct answer.**

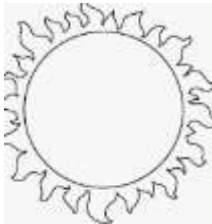
- 1- What does it mean for an object to have kinetic energy?**
- a- The object is in motion.
  - b- The object has stored energy.
  - c- The object has used all of its energy.

**2- Which picture shows the most potential energy?**

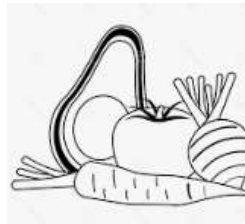


**3- Which of the following is not a source of energy?**

a-



b-



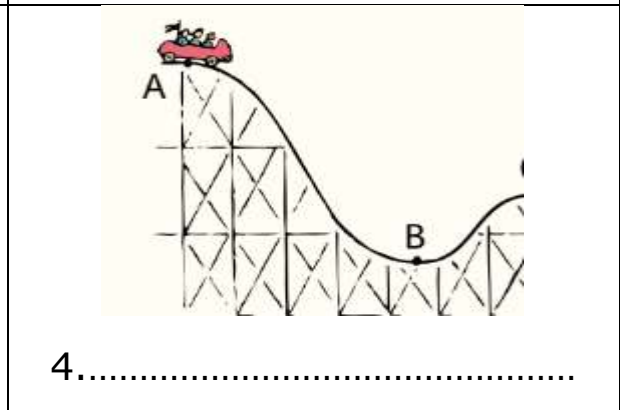
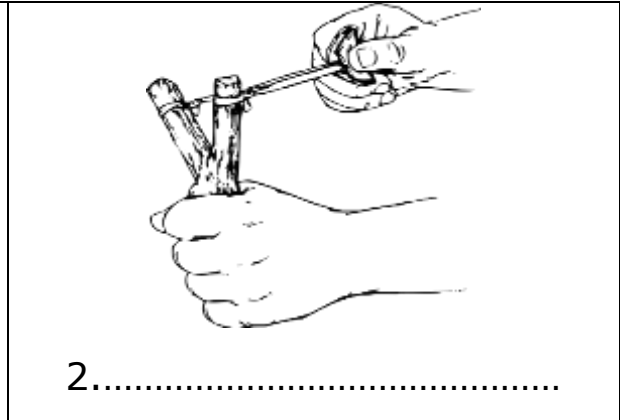
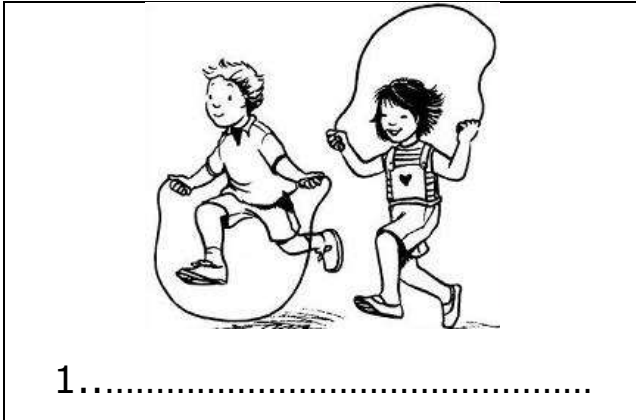
c-



**Q3. Put (True) or (False).**

- 1- Energy can change from one form to another. ( )
- 2- Chemical energy changes into mechanical energy in a glow stick. ( )
- 3- Sound is a form of energy. ( )
- 4- Light energy can travel through space. ( )
- 5- The plant changes light energy from the sun into electrical energy in food. ( )

**Q4. Write "Potential Energy" or "Kinetic Energy".**



**Q5. Answer the following question.**

1- What three kinds of energy are used to move a remote-controlled car?

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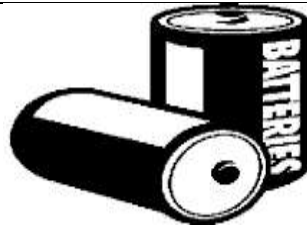


**Q6. Define:**

**energy;**

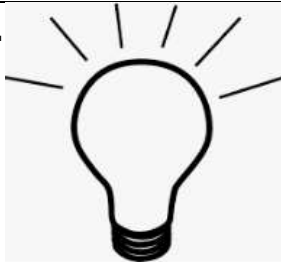
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**Q7. List the changes of energy in each picture.**



1. .... → .....

2.



2. .... → ..... + .....



3. .... → .....



4. .... → .....