

forms of energy  
14 Questions

## GRADED PRACTICE 4TH GRADE

Select the correct option based on what we have studied in class.

1. When you pull a door open, what type of energy is being used?

- |  |   |
|--|---|
| <input type="checkbox"/> A mechanical energy | <input type="checkbox"/> B sound energy |
| <input type="checkbox"/> C light energy      | <input type="checkbox"/> D heat energy  |

2. The temperature outside can change very rapidly. This is caused by \_\_\_\_\_.

- |   |  |
|---|--|
| <input type="checkbox"/> A sound energy | <input type="checkbox"/> B mechanical energy |
| <input type="checkbox"/> C heat energy  | <input type="checkbox"/> D light energy      |

3. If the radio is on in the car, what form of energy allows you to hear the music?

- |   |  |
|---|--|
| <input type="checkbox"/> A heat energy  | <input type="checkbox"/> B light energy      |
| <input type="checkbox"/> C sound energy | <input type="checkbox"/> D mechanical energy |

4. What source of energy does a campfire provide?

- |  |  |
|--|--|
| <input type="checkbox"/> A sound energy          | <input type="checkbox"/> B heat energy       |
| <input type="checkbox"/> C heat and light energy | <input type="checkbox"/> D mechanical energy |

5. A reading lamp can provide a room with \_\_\_\_\_ energy.

- |                                  |                                       |
|----------------------------------|---------------------------------------|
| <input type="checkbox"/> A sound | <input type="checkbox"/> B mechanical |
| <input type="checkbox"/> C heat  | <input type="checkbox"/> D light      |

6. When you sharpen your pencil, you are using what type of energy?

- |                                  |                                       |
|----------------------------------|---------------------------------------|
| <input type="checkbox"/> A light | <input type="checkbox"/> B heat       |
| <input type="checkbox"/> C sound | <input type="checkbox"/> D mechanical |

7. Which of the following provides light energy?

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| <input type="checkbox"/> A flashlight | <input type="checkbox"/> B bicycle    |
| <input type="checkbox"/> C radio      | <input type="checkbox"/> D headphones |

8. Which of the following is NOT an example of sound energy?

- |  |  |
|--|--|
| <input type="checkbox"/> A birds       | <input type="checkbox"/> B radio           |
| <input type="checkbox"/> C instruments | <input type="checkbox"/> D throwing a ball |

9. Thermal energy is another name for heat energy?

- |                                 |                                  |
|---------------------------------|----------------------------------|
| <input type="checkbox"/> A True | <input type="checkbox"/> B False |
|---------------------------------|----------------------------------|

10. The sun provides what 2 types of energy?

- |  |   |
|--|---|
| <input type="checkbox"/> A light and sound | <input type="checkbox"/> B heat and sound       |
| <input type="checkbox"/> C heat and light  | <input type="checkbox"/> D light and mechanical |

11.



What type of energy transformation occurs, when a hawk eats a mouse and then uses the energy from the mouse to fly?

- |   |   |
|---|---|
| <input type="checkbox"/> A chemical energy to mechanical energy | <input type="checkbox"/> B mechanical energy to chemical energy |
| <input type="checkbox"/> C thermal energy to mechanical energy  | <input type="checkbox"/> D mechanical energy to thermal energy  |

12. Which of the following energy transformations occur when a lamp that is plugged into a wall socket is functioning correctly?

- |  |   |
|--|---|
| <input type="checkbox"/> A Electrical to light | <input type="checkbox"/> B Electrical to chemical |
| <input type="checkbox"/> C Chemical to light   | <input type="checkbox"/> D Chemical to electrical |

13. A hairdryer converts --

- |                            |                                 |                            |                                 |
|----------------------------|---------------------------------|----------------------------|---------------------------------|
| <input type="checkbox"/> A | electrical energy into chemical | <input type="checkbox"/> B | electrical energy into thermal  |
| <input type="checkbox"/> C | thermal energy into mechanical  | <input type="checkbox"/> D | chemical energy into mechanical |

14.



What kind of energy is represented in the picture?

- |                            |         |                            |          |
|----------------------------|---------|----------------------------|----------|
| <input type="checkbox"/> A | Thermal | <input type="checkbox"/> B | Chemical |
| <input type="checkbox"/> C | Sound   | <input type="checkbox"/> D | Kinetic  |