

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?

- | | |
|--|---|
| ☐ A mechanical energy | ☐ B sound energy |
| ☐ C light energy | ☐ D heat energy |

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

- | | |
|---|--|
| ☐ A sound energy | ☐ B mechanical energy |
| ☐ C heat energy | ☐ D light energy |

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

- | | |
|---|--|
| ☐ A heat energy | ☐ B light energy |
| ☐ C sound energy | ☐ D mechanical energy |

4. What source of energy does a campfire provide?

- | | |
|--|--|
| ☐ A sound energy | ☐ B heat energy |
| ☐ C heat and light energy | ☐ D mechanical energy |

5. A reading lamp can provide a room with _____ energy.

- | | |
|----------------------------------|---------------------------------------|
| ☐ A sound | ☐ B mechanical |
| ☐ C heat | ☐ D light |

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

- | | |
|----------------------------------|---------------------------------------|
| ☐ A light | ☐ B heat |
| ☐ C sound | ☐ D mechanical |

7. Which of the following provides light energy?

- | | |
|---------------------------------------|---------------------------------------|
| ☐ A flashlight | ☐ B bicycle |
| ☐ C radio | ☐ D headphones |

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

- | | |
|--|--|
| ☐ A birds | ☐ B radio |
| ☐ C instruments | ☐ D throwing a ball |

9. Thermal energy is another name for heat energy?

- | | |
|---------------------------------|----------------------------------|
| ☐ A True | ☐ B False |
|---------------------------------|----------------------------------|

10. The sun provides what 2 types of energy?

- | | |
|--|---|
| ☐ A light and sound | ☐ B heat and sound |
| ☐ C heat and light | ☐ 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?

- | | |
|---|---|
| ☐ A chemical energy to mechanical energy | ☐ B mechanical energy to chemical energy |
| ☐ C thermal energy to mechanical energy | ☐ 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?

- | | |
|--|---|
| ☐ A Electrical to light | ☐ B Electrical to chemical |
| ☐ C Chemical to light | ☐ D Chemical to electrical |

13. A hairdryer converts --

- ☐ A electrical energy into chemical
☐ C thermal energy into mechanical

- ☐ B electrical energy into thermal
☐ D chemical energy into mechanical

14.



What kind of energy is represented in the picture?

- ☐ A Thermal
☐ C Sound
☐ B Chemical
☐ D Kinetic