

forms of energy
14 QuestionsGRADED 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