GRADED PRACTICE
4TH GRADE

forms of energy
14 Questions

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

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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

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13. A hairdryer converts --

A electrical energy into chemical

B electrical energy into thermal

C thermal energy into mechanical

D chemical energy into mechanical

14.

What kind of energy is represented in the picture?

A Thermal

B Chemical

C Sound

D Kinetic

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