

Energy Conversion Practice – Part 2

11. Picture: Hair dryer

What energy conversion is happening?

- A. Electrical → Heat, Sound, and Mechanical (air movement)
- B. Chemical → Electrical
- C. Mechanical → Sound
- D. Light → Heat

12. Picture: Model train going around the track.

What energy conversion is taking place?

- A. Chemical → Mechanical
- B. Light → Sound
- C. Sound → Mechanical
- D. Heat → Chemical

13. Picture: Television turned on

What energy conversion is taking place?

- A. Electrical → Sound and Light
- B. Light → Electrical
- C. Mechanical → Sound
- D. Heat → Light

14. Picture: Lightning strike

What energy conversion is happening?

- A. Light → Heat
- B. Electrical → Light, Sound, and Heat
- C. Chemical → Electrical
- D. Mechanical → Sound

15. Picture: Candle burning

What energy conversion is taking place?

- A. Chemical → Light and Heat
- B. Electrical → Light and Sound
- C. Mechanical → Chemical
- D. Light → Heat

16. Picture: Wind-up toy car

What energy conversion is happening?

- A. Potential (elastic) → Mechanical and Sound
- B. Chemical → Mechanical
- C. Electrical → Kinetic
- D. Heat → Mechanical

17. Picture: Electric fan spinning

What energy conversion is taking place?

- A. Electrical → Mechanical and Sound
- B. Chemical → Electrical
- C. Heat → Mechanical
- D. Light → Electrical

18. Picture: Light bulb (incandescent)

What energy conversion is happening?

- A. Electrical → Light and Heat
- B. Heat → Light
- C. Chemical → Electrical
- D. Mechanical → Sound

19. Picture: Hand-crank flashlight

What energy conversion is taking place?

- A. Light → heat
- B. Chemical → Light
- C. Electrical → Mechanical
- D. Mechanical → Light

20. Picture: Hydroelectric dam

What energy conversion is happening?

- A. Heat → Sound
- B. Electrical → Mechanical
- C. Chemical → Kinetic
- D. A. Mechanical → Electrical