

Name _____

Bright Sparks: The Work of Electricians

Short Answer Key

1. An electrician might need to perform routine maintenance on an electrical system by inspecting wiring, outlets, and circuit breakers, checking for signs of wear or damage, and making necessary repairs or replacements.
2. Electricians can help homeowners and businesses save money by installing energy-efficient lighting and systems, reducing energy consumption, and lowering energy bills.
3. Electricians working in challenging conditions, such as tight spaces or at great heights, are important because they may need to access electrical components in unconventional locations to perform repairs or installations, ensuring the reliability of electrical systems.
4. An electrical hazard that electricians may identify and address to enhance safety is exposed wiring, which can pose a risk of electric shock or fires if left unattended.
5. Electricians can educate the public about electrical safety practices by participating in community events, distributing informational materials, and offering safety tips, such as avoiding overloading outlets and using extension cords safely.

