Teacher Answer Key

Case Study

1. Simple repairs save time and money compared with calling a professional for every small problem, and finishing them builds a sense of accomplishment and self-reliance.

2. Answers will vary. Fixing a faucet or a doorknob yourself proves you can solve a problem without waiting on someone else, and each repair makes the next one less intimidating.

3. The faucet keeps dripping and wasting water, and the repair stays undone only because she does not know how to do it. The reading treats a leaky faucet as one of the easy fixes.

4. She could turn off the water supply and tighten the packing nut at the base of the faucet handle with a wrench, following a quick online video tutorial.

Multiple Choice

1. B

2. C

3. D

Q1: It empowers teens to solve minor household problems independently. (DIY skills promote self-reliance and problem-solving.)

Q2: Watch a quick online video tutorial on how to fix a leaky faucet. (Research and preparation ensure proper technique and safety.)

Q3: It minimizes the risk of injuries and protects you from harm. (Safety is paramount to avoid electrical shock, cuts, or other hazards.)

Matching

1-D, 2-A, 3-B, 4-E, 5-C

Fill-in-the-Blank

1) Screwdriver, wrench, slip-joint (These basic tools address common repairs.), 2) Preventative (Regular maintenance helps catch problems early and prevent breakdowns.), 3) Breaker (Turning off the power at the breaker box prevents electrical shock.)

Short Answer (Sample Responses)

Q1: Ignoring a leaky faucet can waste water, leading to higher water bills. The constant dripping can also be annoying and disrupt sleep. If left unaddressed, the

leak could worsen and damage surrounding surfaces.

Q2: Two additional preventative maintenance tips include: Defrosting refrigerators regularly: This prevents ice buildup that can clog the drain and reduce efficiency. Cleaning dryer vents: Lint buildup in dryer vents can be a fire hazard. Regular cleaning ensures proper airflow and prevents overheating.

Q3: Reading instructions carefully is important to understand the proper use of a tool and ensure safety. User manuals and online tutorials typically provide step-by-step instructions, safety precautions, and troubleshooting tips for specific tools and repairs.