



e-SMARTkids



ANSWER KEY

Tell Me More

1. Students may list some of these ways to save water while bathing: *Fill the bathtub only halfway or less. Take shorter showers. Collect the water that runs from the bath or shower faucet while it is warming up and use it to water plants or rinse dishes. Tell an adult about any leaky faucets in your home.*

Students may list some of these ways to save water while washing clothes/dishes: *Wash only full loads of clothing. If you have a smaller load of clothing, match the water level in your clothes washer to the load size. If you use a dishwasher, scrape dishes clean before you load them. Only run the dishwasher with a full load. If you hand-wash dishes, use a tub full of water instead of letting the water run.*
2. Students' answers will vary. Here are some possible responses: *Turning off the radio, TV, and other electronics when finished; turning off or sleeping the computer when it is not in use; unplugging phone chargers when not in use; using a clothesline or drying rack instead of a dryer; opening refrigerator doors only when necessary; cooking in the microwave instead of using a conventional oven; keeping doors and windows closed when the heat or air conditioning is on; and using a ceiling fan to keep rooms cooler.*
3. You should stay at least 3 feet away from solar panels because the glass on these panels can crack or break with impact from a heavy object. If you damage a solar panel, you risk getting a serious (or even deadly) electrical shock.
4. An adult who plans to dig near a ground-level solar power system should find out where buried electrical lines are located so that they can dig a safe distance away from these lines. The adult should call the 811 service to have lines located and marked. They should also ask the property owner about underground lines.
5. Students' answers will vary. They may mention these and other energy careers: *Chemist or Materials Scientist, Construction Manager, Engineer, Engineering Technician, Environmental Scientist, Geoscientist, Heating and Air-Conditioning Mechanic, Line Worker, Photogrammetrist, Power Plant Operator, HVAC Contractor, Ecologist, Electrician.*