



LITHIUM-ION BATTERY SAFETY

Guided Video Questions Instructions

1. Following the Act Now, distribute the Lithium-Ion Battery Safety Questions Sheet to each student. Ask students to read each question silently.
2. Arrange students in groups of three or four. Groups can work together to answer the questions.
3. Each group will be responsible for sharing the correct answers to specific questions. After students have worked on the questions, assign specific questions to each group. For example, during the review, Group 1 can be responsible for questions 1, 2 and 3.
4. Play the video again, pausing after each answer is revealed. Call on groups to share their assigned answers with the class. The Answer Key can be found below.
5. Once all the questions and fill-ins have been checked and reviewed, ask eight volunteers to state the tips in letters A--H to emphasize the ways a lithium-ion battery fire can be prevented.
6. Begin Exit Now.



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Answer Key

Using the information from the FDNYSmart Safety Tips for Devices with Lithium-Ion Batteries Video, answer the following questions in a small group. Review each answer with the group.

1. Can a fire start from a lithium-ion battery? Yes
2. In what types of devices/toys are lithium-ion batteries used? List four.
Electric bikes, scooters, cars, laptops, tablets, phones, common household appliances
3. What causes a lithium-ion battery to overheat?
Damaged batteries; improper charging, storage or disposal
4. Are fires caused by lithium-ion batteries a serious danger? Why or why not?
Yes. Lithium-ion battery fires ignite and spread fast, and they are difficult to extinguish. It is important to understand that lithium-ion batteries can be deadly.
5. Fill in the blanks so you can be FDNYSmart by taking preventative measures when using lithium-ion batteries.
 - a. Do not store your scooters near windows or doors, blocking exits in case of fire.
 - b. Do not leave devices unattended or charging overnight.
 - c. Do not charge a device under a pillow, on your bed or on a couch.
 - d. Only use the manufacturer's power cords or batteries made specifically for the device.
 - e. Keep batteries at room temperature, away from direct sunlight.
 - f. If there is an odor, a change in shape/color, leaking or odd noises, discontinue use immediately.
 - g. Disposing of lithium-ion batteries in the trash is illegal and dangerous.
 - h. When disposing of lithium-ion batteries, the batteries should be taken to a battery recycling location.