

Answers: 7.3.2.7 Lab – Research Laptop Batteries

In this lab, you will use the Internet or a local store to gather information and then record the specifications for a laptop battery.

Laptop batteries are removable, rechargeable Lithium ion battery packs. Most laptop batteries are available in 6, 9 or 12 cell versions. The more cells in the battery pack, the longer the battery charge will last. Lithium ion batteries should not be allowed to fully discharge because this will reduce their battery life. They should be regularly charged. For safety reasons do not leave a battery charger close to flammable materials and be sure there is plenty ventilation around the charger. It is also a good idea to not leave a battery unattended during charging. Because different battery types require different charging regimes, you should always consult manufacturer's instructions for maintaining optimal battery life.

When replacing or installing a laptop battery the laptop should be turned off and the power cable disconnected from the AC power source. Most laptops have latches on the back or bottom of the chassis that released to remove the battery. Make sure latches are fully engaged after installing a battery.

1. List the specifications for a laptop battery. Please ask your instructor for the laptop model to research.

Type your answers here.

2. Shop around and in the table below list the features and cost for a generic and a laptop battery from the manufacturer of the laptop.

Battery Specifications	Generic	Manufacturer
Output voltage		
Battery cell configuration ex: 6-Cell, 9-Cell		
Dimensions		
Hours of life		
Approximate cost		

3. Based on your research, which battery would you select? Be prepared to discuss your decisions regarding the battery you select.

Type your answers here.