

Test E - Batteries and chargers

Name: _____

Fill in the blanks. Each single blank or multiple blank selection is worth one mark. _____/34
Resource: <http://www.cdtextbook.com>

A battery has a big kick!

Motor vehicle batteries can give you a powerful _____ – remember, they have to deliver enough power to turn over a cold _____. They produce enough power to _____ a metal rod resting across the terminals, so always treat batteries with _____ and _____.



Take off rings, watches, and bracelets

Always remove your hand or wrist _____ before working with batteries. If it comes into contact with the battery _____ it can cause a _____ circuit. You will receive painful skin _____ from the very _____ heating of the metal you are wearing, or even flash burns from _____ current. A wristwatch is much harder to take off if it is _____ to your arm!

Batteries create explosive gas

Batteries give off _____ gas while they are being _____, and for some _____ afterwards. Hydrogen is a light and highly _____ gas that is easily _____ by a simple

_____. Batteries are also filled with _____ acid, so if the hydrogen does explode, the case can rupture and _____ everything and everyone nearby with this dangerous and _____ liquid.

Be extra careful when charging a battery

Be very careful not to create a _____ when you are connecting or disconnecting a charger to the battery _____. _____ the battery terminals and the charger's crocodile clips, and switch _____ the charger before connecting and disconnecting them from the _____.



Wait for the battery to cool down

Do not try to charge a battery _____ than _____ the battery manufacturer _____, and you should never use a battery discharge _____ immediately after charging a battery. This is because charging and rapidly discharging a battery both generate _____, and if you do not wait for a battery to cool down after charging it before discharge testing it you will increase the risk _____ of _____ the _____ inside the battery, as well as _____ the risk _____ of _____.