

Building a Simple Ammeter

Electricity All Around Us
Learner Worksheet



Name:

Draw a picture of your ammeter as it looks before you connect it to a battery:

Draw your ammeter after it is connected to a 1.5 volt battery:	Draw your ammeter after it is connected to a 9 volt battery:

Try reversing the connections to the battery. When you do this, what happens to the compass needle?

Questions:

1. What causes the compass needle to point in only one direction when there is no current?

2. Why does the needle of the compass move when a current is passing through the coil?

2. Can you think of some practical ways to use this kind of device around the home?

3. What happens when you reverse the connections between the ammeter and battery? Why do you think this happens?
