**E84-E89 Review questions**

1. What do the lines of iron filings between the magnets show?
2. Why are the lines of force different in the two photographs?
3. Why are there two wires to every device?
4. Is rubber or plastic a good conductor of electricity? How can you tell?
5. What gives a battery potential energy?
6. Why aren’t all the appliances in your home connected in a series circuit?
7. What has happened to a battery that is “dead” or used up?
8. Why is there insulation on some wires?
9. In which circuit –series or parallel- can each bulb be switched off individually?
10. How many switches would you need to control all of the bulbs at once in a series circuit? A parallel circuit?