

## **Chapter Two: WHAT IS THIS LIGHT?**

### **Page 14:**

- Magnetic: Paper clip, nail, metal spoon
- Nonmagnetic: Plastic plug, plastic spoon, wood, Aluminum foil, penny
  
- Are some items conductive but not magnetic? The Aluminum foil, penny.  
Notes: Metals that contain **Iron** are magnetic and conductive. These include: wrought iron, various types of Steel such as Carbon steel, stainless steel. Steel is mostly Iron with added elements.  
Metals that are conductive but not magnetic include: Aluminum, Copper, Zinc, Lead, Gold and Silver. In reality, many of these metals can exhibit some magnetic properties when subject to strong magnetic fields. Under normal circumstances they appear non-magnetic.

### **Page 15:**

- 3. The magnet needle moves from its previous position.
- 4. The magnet needle turns to the other direction.

Notes: The trick here is to make sure that the needle of the compass is initially sideways along the wire that circles it, and not perpendicular to it . When the circuit is on, the compass needle will always become perpendicular.

### **Page 16:**

- What kind of a man did the people think Jesus was? a good man, a deceiver
- Who did these people think Jesus was? John the Baptist, Elijah, Jeremiah, one of the prophets
- Who did Peter Jesus was? The messiah, the son of the living God
- Who revealed that to Peter? The Father in heaven

### **Page 17:**

- To who is the hidden mystery of Christ revealed? The Lord's people
- Who did God appoint heir of all things? His Son
- What did He make through him? The universe
- What does Christ radiate? God's glory
- Who can purify our sins? Jesus, the son

### **Page 18:**

- Who should we preach about? Jesus Christ, not ourselves.
- Where does God's light shine? Out of the darkness, in our hearts
- What does it give us? knowledge of God's glory
- Who displays that light? Christ

**Page 19:**

- What did M. Faraday value more than anything in the world? knowing God's truth
- What did James Maxwell say Christ's desire was? to be one with us.