# ACTIVITY ANSWER KEY

## Chapter 4, Section 3

**Check your answers with this Answer Key. Answers separated by commas may be in any order. Answers separated by semicolons must be in stated order. Correct all errors, then complete your next goal.**



**Lesson 11:**
*Installing Receptacles*

1. middle, end
2. (b) False
3. (b) brass
4. (a) silver
5. (c) pigtailed together
6. connectors
7. (c) the distance around the outside walls of the room
8. (b) False
9. (a) True
10. heat, voltage; fire
11. (a) continuity tester
12. battery
13. continuity tester
14. *"A teacher effects eternity; he can never tell where his influence stops."*



**Lesson 12:**
*Installing Switches*

1. (b) False
2. brass
3. (b) hot
4. pigtailed
5. (a) True
6. outlet box
7. switch
8. (c) fluorescent
9. (a) tube
   (b) fluorescent material
   (c) mercury vapor
   (d) electrons; mercury
10. receptacle; broken
11. coded
12. *"Set worthy goals which you may fail to reach the 1st time, but keep reaching until you succeed."*



**Lesson 13:**
*Here Comes the Light*

1. (a) 1 day
2. apprentice
3. fluorescent
4. (c) ballast
5. ballast, starter
6. (c) power
7. pressure
8. flow
9. (any order)
   (a) watts = volts * amperes
   (b) amperes = $^{watts}/_{volts}$
   (c) volts = $^{watts}/_{amperes}$
10. 240 volts
11. 1800 watts
12. *"Knowledge . . . is power."*



**Lesson 14:**
*Installing the Lights*

1. eye screws; adjustable
2. outlet
3. (d) 2-bulb incandescent fixture
4. (b) False
5. (b) spread light more evenly
6. (c) fires

7. 240-volt
8. (b) False
9. 6
10. tools, equipment
11. neutral (white); hot
12. dangerous
13. _x_ Dad's patience . . .
    _x_ Edward's willingness . . .
    ___ Dad's angry, impatient . . .
    ___ Edward's laziness . . .
    _x_ Dad's encouragement . . .
    _x_ Edward's spoken gratitude . . .
    ___ Dad's keeping a record . . .
14. *"Everything comes to him who hustles while he waits."*



**Lesson 15:**
*A Job Well Done*

1. (a) hook up the electric current
2. white
3. (d) hot
4. (c) electrical conductor used to distribute electrical currents
5. ground
6. (b) 8
7. (a) True
8. (circuit) breaker
9. (circuit) breaker
10. voltmeters
11. fluorescent
12. *"Love and a cough cannot be hid."*

Ask for your QUIZ over Section 3.
**Reminder:** Students who score 85% or higher on the three section quizzes may be exempt from the chapter test!