



Name _____

Date _____

(Key # 1 - 963882)

3rd Qrt Science Study Guide

Complete the crossword puzzle.

The crossword puzzle grid consists of 17 numbered starting points for words:

- 1: Down, 10 letters
- 2: Across, 10 letters
- 3: Across, 10 letters
- 4: Across, 12 letters
- 5: Across, 10 letters
- 6: Across, 5 letters
- 7: Across, 10 letters
- 8: Down, 3 letters
- 9: Across, 6 letters
- 10: Down, 10 letters
- 11: Across, 6 letters
- 12: Across, 7 letters
- 13: Down, 4 letters
- 14: Down, 4 letters
- 15: Across, 6 letters
- 16: Across, 10 letters
- 17: Across, 8 letters

Across

- 2 Rubber is used as a covering for the wires of an electrical cord because rubber is an _____.
- 4 If one bulb on a strand of Christmas lights burns out but the other lights stay lit, you know that the strand of lights is on a _____. (2 words)
- 5 A ceiling fan and a computer require _____ energy to operate. Name some other things in your home that require this type of energy to operate. Name things around your home that DO NOT require this type of energy to operate.
- 6 Radios are designed to produce _____ energy for our listening enjoyment.
- 7 For a _____ to operate correctly, it must have a battery, a switch, a light bulb, and a conductor.
- 9 A _____ is necessary for a flashlight to operate because it provides the energy.
- 11 A _____ is "the constant flow of electrons through a wire."
- 12 Sometimes in a closed circuit metal becomes hot and some of the thermal energy is transferred to the air as radiation. This produces light such as a _____ inside a bulb.
- 15 The _____ are a geological feature of the Earth that can be found covering vast areas of the North and South Poles. (2 words)
- 16 A _____ is the component in a circuit that "allows a current to pass through easily."
- 17 "Turning off lights when no one is in the room" is a way to _____ energy, which means to save energy. Discuss other ways to save energy in our everyday lives.

Down

- 1 The _____ "slopes gently down beneath the surface of the water at the edge of a continent." (2 words)
- 3 A _____ is an electric circuit that has only one path for the current. (2 words)
- 5 an _____ needs an electric current to produce a magnetic field.
- 8 A _____ is a "break in the crust of the Earth along which rock moves." This geological feature is most closely associated with earthquakes.
- 10 A parallel circuit has "_____ path for the current." (3 words)
- 13 A _____ is the "device used to open and close a circuit."
- 14 _____ is a substance used to make most electrical wiring because it is known to be a good conductor of electricity.



Name _____

Date _____

(Key # 2 - 963882)

3rd Qrt Science Study Guide

Complete the crossword puzzle.

The crossword puzzle grid consists of 18 numbered starting points for words:

- 1: 10-letter horizontal word at the top.
- 2: 10-letter horizontal word at the top right.
- 3: 10-letter vertical word on the left side.
- 4: 6-letter horizontal word in the upper middle.
- 5: 10-letter vertical word on the far left.
- 6: 8-letter horizontal word in the middle.
- 7: 6-letter horizontal word in the middle.
- 8: 4-letter horizontal word in the middle.
- 9: 7-letter horizontal word in the middle.
- 10: 5-letter vertical word on the right side.
- 11: 5-letter vertical word on the left side.
- 12: 6-letter horizontal word in the middle.
- 13: 10-letter horizontal word in the middle.
- 14: 3-letter vertical word in the middle.
- 15: 10-letter horizontal word at the bottom.
- 16: 4-letter horizontal word at the bottom right.
- 17: 4-letter horizontal word at the bottom right.
- 18: 8-letter horizontal word at the bottom.

Across

- 1 A _____ is an electric circuit that has only one path for the current. (2 words)
- 4 A _____ is the “device used to open and close a circuit.”
- 6 an _____ needs an electric current to produce a magnetic field.
- 9 A _____ is the component in a circuit that “allows a current to pass through easily.”
- 12 The _____ are a geological feature of the Earth that can be found covering vast areas of the North and South Poles. (2 words)
- 13 For a _____ to operate correctly, it must have a battery, a switch, a light bulb, and a conductor.
- 15 The _____ “slopes gently down beneath the surface of the water at the edge of a continent.” (2 words)
- 17 Radios are designed to produce _____ energy for our listening enjoyment.
- 18 Sometimes in a closed circuit metal becomes hot and some of the thermal energy is transferred to the air as radiation. This produces light such as a _____ inside a bulb.

Down

- 2 Rubber is used as a covering for the wires of an electrical cord because rubber is an _____
- 3 _____ is a substance used to make most electrical wiring because it is known to be a good conductor of electricity.
- 5 If one bulb on a strand of Christmas lights burns out but the other lights stay lit, you know that the strand of lights is on a _____. (2 words)
- 7 “Turning off lights when no one is in the room” is a way to _____ energy, which means to save energy. Discuss other ways to save energy in our everyday lives.
- 8 A ceiling fan and a computer require _____ energy to operate. Name some other things in your home that require this type of energy to operate. Name things around your home that DO NOT require this type of energy to operate.
- 10 The most noticeable energy produced when you “plug in and turn on a lamp” is _____ energy.
- 11 A _____ is “the constant flow of electrons through a wire.”
- 14 A _____ is necessary for a flashlight to operate because it provides the energy.
- 16 A _____ is a “break in the crust of the Earth along which rock moves.” This geological feature is most closely associated with earthquakes.

