**Term III Science Exam Review**

**Pages from Notebook:**

Page 22 - Planet Data Sheet

Page 23 - The Big Bang Theory

Page 24 - Aboriginal vs Western Knowledge of the Solar System

Page 25 - Types of Galaxies

Page 26 - Static Electricity

Circuit Scribe Labs #1-6

**Terms/Vocabulary:**

* Expanding Universe
* Holistic scientific view
* Western scientific view
* Big Bang Theory
* Galaxies
* Spiral
* Elliptical
* Irregular
* Stars
* Dwarf stars
* Black Hole
* Electric Charges
* Negative
* Positive
* Neutral
* Static Electricity
* Electric Charge
* Law of Electric Charges
* Insulators
* Examples of good insulators
* Conductors
* Examples of good conductors
* Electric Current
* Electric Circuit
* Parts of a Circuit
* Open circuit “Off”
* Closed circuit “On”
* Circuit Diagrams
* Amps (A)
* Resistor
* Resistance
* Ohms (Ω)

**Questions:**

1) What evidence is there to support the Big Bang theory?

2) Describe the three common types of galaxies (include a pictorial representation of each).

3) What is static electricity?

4) What are the three laws of static charges?

5) Analyze the situations depicted below; identify whether the objects will attract or repel:

a) b) c)

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6) Give two examples of good conductors and two examples of good insulators.

7) Using the following symbols, draw a diagram of a simple circuit (**be sure to include directional arrows for the current and the positive and negative sides of the battery**):

8) Using the resistance chart below, complete the following:

a) If a resistor has a value of 2000 ohms what would the color code on the resistor be?

b) If a resistor has a color code of brown, black, brown, what is the resistor value?