**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_\_\_\_\_ Binder Page # \_\_\_\_\_\_\_\_**

**Study Guide for “RESOURCES” Unit**

**\_\_\_\_\_\_24-Book Information….(an introduction to the unit!!)**

 Renewable Resource-

 Non-Renewable Resource-

 Fossil Fuels-

 Examples of 3 types of Fossil Fuels:

**\_\_\_\_\_\_25-Unit Pretest**

**26-What is Energy? (Guided Reading – Notes)**

 What is Energy?

 Law of Conservation of Energy States that….

 Total Amount of Energy in the universe is….

**\_\_\_\_\_\_27-Introduction to Energy “Introduction to Energy (p. 8-11)**

**\_\_\_\_\_\_28-Binder Check #1**

**\_\_\_\_\_\_29-Energy Transformations Video Notes**

 2 categories of Energy are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 4 types of Potential Energy are….

 5 types of Kinetic Energy are….

 Describe the energy transformations taking place below….

 Lighting a match

 Turning on a TV

 Shooting a slingshot

**\_\_\_\_\_\_30-Forms of Energy**

 Definitions, examples and pictures

**\_\_\_\_\_\_31-Energy Transfer Problem Set 1**

 Battery in a flashlight

 Sun to solar panel to light bulb

**\_\_\_\_\_\_32-Energy Transfer bingo (Problem Set 2)**

**\_\_\_\_\_\_33-Energy Transformation Quiz-2016**

 Know all questions

**\_\_\_\_\_\_34-What do you think (Global Warming, Fossil and Alternative energies)**

**\_\_\_\_\_\_35-Cookie Mining Lab**

 Why are there laws that require mining companies to clean up after they are finished mining?

**\_\_\_\_\_\_36-Fossil Fuel PPT Notes – 3 main types (Petroleum, Coal, Natural Gas)**

 How are fossil fuels formed?

 What are the main uses for coal?

**\_\_\_\_\_\_37-Fuel Energy Lab**

 When burning a fuel, where does all the heat go that is created through combustion?

 Why is ethanol not as great a fuel as gasoline?

**\_\_\_\_\_\_38-Alternative Energy Sources-Notes**

 Know all 7 types of Alternative Energy Sources

 Know how each makes energy

**\_\_\_\_\_\_39-Primary Sources of Energy-Jigsaw Activity**

 Know the benefits/drawbacks and facts about at least 2 types of energy

**\_\_\_\_\_\_40-ElectroCity-3 Best Games**

 What do you think would be a good strategy for FUTURE energy production and use in the United States, and WHY?????

**\_\_\_\_\_\_41-Light Bulb Energy Lab**

 How do you know which bulb is more efficient?

 What is the difference between conservation and efficiency?

**\_\_\_\_\_\_42-Light Bulb Math**

 Describe the positive and negatives of Incandescent and CFL Light Bulbs?