**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?