ANSWER KEY – Pre-Electric Circuits eLAB Activity – Electricity Concept Maps

These are VERY open-ended activities. Individuals may think of many different appliances or battery operated toys and devices. In Part 2, students will think of even more terms and devices when they make their concept maps showing relationships.

Part 1 - Brainstorming Electricity Words

Electricity Computers Oil

Batteries Laptop Computers Windmills

Wires TVs Thermal Energy
Fuses Refrigerators Hydroelectric Power

Circuit Breakers Stoves Plants/Dams

Lights Ovens Nuclear Power Plants

Flashlights Microwaves Generators
Radios Toasters Circuit Box
Remote Control Blenders Meter

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Toy Cars Washer Lightning

Nintendo Dryer Static Electricity

Game Boy Heater Sparks
Xbox Air Conditioner Car Radio
Wii Power Plant Headlights

Electric Train Solar Power Batteries

Gas

VCR Coal Battery toothbrush

BUILDING APPLIANCES: LIGHTS, HEATERS, AIR

MP3 players/iPods

LIGHTS, HEATERS, AIR
CONDITIONERS, LOUD
SPEAKERS, WASHERS,
DRYERS, REFRIGERATORS,
OVENS, STOVES,
MICROWAVES, RADIOS,
TELEVISION SETS, TOASTERS,
BLENDERS, WATER HEATERS,
GARAGE DOOR OPENERS,
ELECTRIC TOOTHBRUSH

FUN ELECTRICAL DEVICES:

TVS, DVD PLAYERS,
MP3 PLAYERS/IPODS,
NINTENDOS,
GAMEBOYS, XBOXES,
WII, RADIOS, TOY TRAINS
AND CARS, WALKIE
TALKIES

Part 2 – Sample Electricity Concept Map

ENERGY SOURCES/ POWER
PLANTS: COAL, WATER/
HYDROELECTRIC, SOLAR,
GAS, OIL, WIND, NUCLEAR,
GEOTHERMAL, GENERATORS,
BATTERIES, WIRES, CIRCUIT
BREAKERS, FUSES, LIGHTNING,
STATIC, SPARKS

OTHER USEFUL ELECTRICAL DEVICES:

TVs, Flashlights, Lawn Mowers, Computers & Laptops, Remote Controls, Meters

ELECTRICITY FOR
TRANSPORTATION: STREET
& PARKING LOT LIGHTS,
CAR, BOAT, AIRPLANEHEADLIGHTS, RADIOS,
HEATERS, AIR
CONDITIONERS