**Forms of Energy Jeopardy**

**CHEMICAL**

# 100 An example of chemical energy that fuels our bodies…

# *What is food? (Accept any specific answer that is food)*

# 200 An example of chemical energy that can be stored to power flashlights and games…

# *What are batteries?*

# 300 Chemical energy is stored in the bonds between these…

# *What are atoms and molecules?*

**400 This transportation fuel powers our cars and is an example of chemical energy…**

***What is petroleum or gasoline?***

**500 Green plants transfer radiant energy to chemical energy in this process that requires soil, nutrients and water…**

***What is photosynthesis?***

**ELECTRICAL**

# 100 A closed pathway or loop where electricity can flow…

# *What is a circuit?*

# 200 A material that blocks or resists the flow of electricity…

# *What is an insulator?*

# 300 A material, usually a metal, that electricity can flow through easily…

# *What is a conductor?*

**400 Electricity is generated when this part of an atom begins moving: proton, electron or neutron…**

***What is an electron?***

**500 Naturally occurring electricity seen during a thunderstorm is…**

***What is lightning?***

**MECHANICAL**

# 100 Mechanical energy is energy of…

# *What is motion or movement?*

# 200 Sound is mechanical energy that travels in…

# *What are waves?*

# 300 An example of mechanical energy is: a ball going through a basket or a ball sitting on the ground?

# *What is a ball going through a basket?*

# 400 Renewable energy source that is an example of mechanical energy: biomass, wind or solar?

# *What is wind?*

# 500 At power plants, mechanical energy spins a turbine to create this…

# *What is electricity?*

NUCLEAR

# 100 All matter is made up of tiny particles called…

# *What are atoms?*

**200 At a power plant, nuclear energy is used to produce…**

***What is electricity?***

**300 This process occurs on the surface of the sun: nuclear fusion or nuclear fission…**

***What is nuclear fusion?***

**400 This is an advantage of nuclear energy over fossil fuels for generating electricity…**

***What are no greenhouse gases or air pollution?***

**500 This is the biggest disadvantage with nuclear power plants…**

***What is radioactive waste?***

**RADIANT**

# 100 Radiant energy is also called this…

# *What is light energy?*

# 200 Renewable energy source that is an example of radiant energy: geothermal, hydropower or solar…

# *What is solar?*

# 300 This device can change radiant energy into electrical energy…

# *What is a solar cell/panel or photovoltaic cell?*

**400 The waves of radiant energy always travel in this type of line: curved or straight…**

***What are straight lines?***

**500 Radiant energy travels in this type of wave: transverse or longitudinal…**

***What is transverse?***

**THERMAL**

# 100 Thermal energy is also known as…

# *What is heat energy?*

# 200 If the particles in an object move faster, more of this is produced…

# *What is thermal energy or heat energy?*

**300 This material easily transfers thermal energy…**

***What is a conductor? (Give correct answer if they give an example like a metal object)***

# 400 Thermal energy always flows in this direction: from cold to hot or from hot to cold…

# *What is hot to cold?*

**500 On a snowy day your mom says to close the front door. Thermal energy is flowing in this direction…**

***From inside your house to the outside.***