10 Sources of Energy

**KEY**

Pre/Post Poll-Circle the best answer

1. Why are some energy sources called renewable?
   1. They are clean and free to use.
   2. They do not produce pollution.
   3. **They can be replaced by nature in a short time.**
2. Which energy source is renewable?
   1. Coal
   2. **Solar**
   3. Nuclear
3. Which energy source is a result of the uneven heating of the Earth’s surface?
   1. **Wind**
   2. Geothermal
   3. Solar
4. Which energy source provides the most electricity?
   1. Propane
   2. Petroleum
   3. **Coal**
5. Which energy source provides gasoline for cars?
   1. **Petroleum**
   2. Propane
   3. Natural gas
6. Which energy source depends on the water cycle?
   1. **Hydropower**
   2. Solar
   3. Wind
7. Describe one advantage of renewable resources.

Various answers-they never run out, the source is free, no air pollution/greenhouse gases

1. Describe one disadvantage of renewable resources.

Various answers-the technology to use the resource is expensive, not reliable for baseload power/they can be limited by weather or time of day, they are not very energy dense/must have a lot to meet electricity demands,

1. Describe one advantage of non-renewable resources.

Various answers-inexpensive (compared to renewables), reliable for baseload power 24/7/365, energy dense/can produce a lot of electricity

1. Describe one disadvantage of non-renewable resources.

Various answers-once they are used they are gone forever, air pollution/greenhouses gases when burned (fossil fuels), radioactive waste (nuclear), political challenges between countries

Bonus Question:

1. Is there a perfect source of energy? b. What is the best source of energy?
2. no b. accept answers if student can defend their selection