Energy Source Rating Sheet

U^{235} **URANIUM** ***(nuclear) energy***	FACT	ADVANTAGE	DISADVANTAGE	RATING
1. Everything in the universe is made of tiny particles called atoms. In the center of every atom is a nucleus, with even smaller particles.				
2. The nucleus has energy that holds it together—nuclear energy. The nucleus of a uranium atom has lots of energy holding it together.				
3. Uranium is a mineral buried underground. It is a nonrenewable energy source—we can't make more uranium.				
4. We have a lot of uranium in the U.S. It is a cheap energy source.				
5. We can split atoms of uranium into two smaller atoms. When we split atoms of uranium, some of the nuclear energy is set free as heat.				
6. We can use this heat to make electricity. The uranium isn't burned, so there is no air pollution.				
7. When we split uranium, rays of energy—called radiation—are also produced. This radiation can be very dangerous.				
8. The waste from nuclear plants produces radiation for a long time. Many people are concerned about how to store this waste.				
9. We transport uranium mostly by truck.				
10. About seven percent (7 %) of the energy we use in the U.S. comes from uranium. It is used to make electricity				

TOTAL RATING _____

WIND *energy*	FACT	ADVANTAGE	DISADVANTAGE	RATING
1. Wind is moving air—air in motion—mechanical energy.				
2. The sun heats the earth unevenly. The warm air rises and cool air rushes in—that's wind.				
3. Wind energy is a renewable energy source. We will have wind as long as the sun shines.				
4. Windmills can capture the energy in wind to make electricity. Many windmills together are called a wind farm.				
5. Windmills take up a lot of land, but the land can also be used for farming or grazing animals.				
6. Wind energy is free to use. It is also a clean energy source—no fuel is burned to make electricity.				
7. Electricity from new windmills is almost as cheap as electricity from coal power plants.				
8. Many places don't have enough wind to make electricity, and the wind doesn't blow all the time.				
9. We don't transport wind energy. We use it where we find it.				
10. Wind energy provides the U.S. with 0.5 % (one-half of a percent) of the energy we use.				

TOTAL RATING _____