Unit 4 Review

1. **Instructions:** Look at the photos and decide which type of energy it is.

Mechanical Energy	**Potential Energy**	**Kinetic Energy**
Chemical Energy	**Thermal Energy**	

1._____	2._____	3._____
4._____	5._____	

2. **Instructions:** Organize the following types of energy *(Remember to do it in order)*

Solar	**Wind**	**Crude oil**	**Water**	**Geothermal**
Natural Gas		**Biomass**	**Coal**	**Uranium**

RENEWABLE ENERGY	NONRENEWABLE ENERGY
1. _____	1. _____
2. _____	2. _____
3. _____	3. _____
4. _____	4. _____
5. _____	

3. **Instructions:** Match the type of energy in the left hand column to its definition in the right hand column.

1. Solar	a. It is organic materials such as wood and food waste. We burn them to create steam, which turns a turbine and generates electricity.
2. Wind	b. One of the cleanest sources of energy. It does not pollute the environment; however we can only use it in very sunny climates.
3. Crude oil	c. Nuclear power stations use this mineral to generate electricity. It is very dangerous because the radioactivity causes cancer.
4. Water	d. Heat that comes from inside of the Earth. Volcanoes and hot springs are created by this.
5. Natural Gas	e. We get energy from this by burning it. It causes a lot of air pollution.
6. Geothermal	f. It doesn't cause any pollution, but wildlife habitats can be destroyed by building these structures which can cause a loss of biodiversity in the area.
7. Biomass	g. It burns cleaner than the other types of energy sources, but it still contributes to global warming. Most household stoves use this type of energy.
8. Coal	h. Clean and effective energy. We can only use this energy in places with a lot of wind. Unfortunately, they can damage wildlife habitats and threaten bird populations.
9. Uranium	i. It is easy to transport and store, but if it spills it damages the natural environment.