

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.

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| 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. |