

# How The World Works

## Summative Assessment

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Your goal is to **design or enhance a structure using different forms of energy to solve a problem**. You can be as creative as you like. Make sure to **label the structure** and **explain its function**.

**Circle and choose one of the following scenarios:**

1. You need to cook food, but you don't have electricity.
2. You need to drive a car, but don't have gas (petrol).
3. You need to read a book at night, but you don't have light.
4. You need to create an instrument for your rock band.
5. You're a person without hands and need a way to grab things.
6. The local power station broke and your city needs another way to make power.
7. You need to make an alarm clock that will wake you up in the morning.
8. You forgot the code to your safe and you have to break into it.
9. You need to grow plants for food, but your country is too cold for plants to live in.
10. \_\_\_\_\_



**Draw your structure above.**

1. List the forms of energy used in your structure.



