

Name: _____

Date: _____

Grade Level: _____

School: _____

Force and Energy Exhibit Hall Worksheet

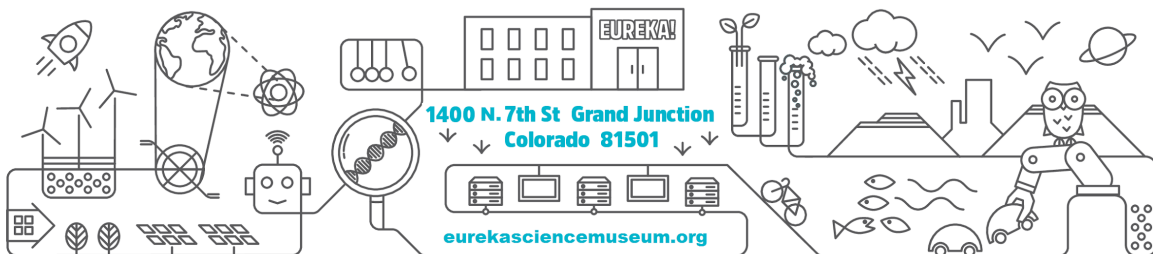
Find the water exhibit (Look for the tall water tower).

1. Describe how the force of water changes as you add and remove the blue plates at the beginning.

2. Go to the end of the water exhibit, and study the Archimedes screw. Describe the forces used that allow this machine to transport water.

Find the Bernoulli Effect station. Follow the sign instructions on what to do.

3. Explain how the force of air allows the ball to stay in the air.



Find the air rockets. Place the bottle rocket over the pole and pump the air pump.

4. Why does the rocket travel higher the more you pump the air pumper?

Find the electromagnetic station.

5. How can energy from your arm create a magnetic force?

Find the Van De Graaff Generator.

6. Explain how friction can create electric energy.

Find the Pulley station.

7. Describe the relationship before force and mass.

