



## ***Science Hunt***

### **Middle School**

**Welcome to the Michigan Science Center.**

*Within the galleries, you will find the answers to our Science Hunt questions by exploring the laboratories and interacting with the exhibits.*

*Explore the possibilities!*

### **Upper Level**

What is the first step in making steel?

What is the 3-phase power distribution panel? (Hint: Fun Factory)

Name three important things lean manufacturing eliminates? (Hint: Fun Factory)

In the *Cell Drawers*, how can you tell that a particular cell is from a plant?

The pulmonary artery takes blood to the lungs and the aorta takes blood to the rest of the body. Which chamber of the heart does the blood enter when returning from the body?

True/False- If you are thin, you are not in danger of having high cholesterol.

Write down the order of all of the planets in our solar system.

**Lower Level:**

What is a fulcrum? Where is a fulcrum in this gallery?

Describe how you would use the *Giant Lever* to weigh yourself.

Find the giant *Foucault pendulum*. Look for the arrow that shows which direction it was swinging when it was started. What has happened? Why?

What are the primary colors of light? List the secondary colors of light and how you get each one.

What are the two basic types of waves? (Hint: sound is an example of one type and light is an example of the other).

Explain one method used to get an upside-down image with lenses. Explain one way to get an image that is upright.

Name one exhibit that heats fluids to move something. How does it work?  
Find the *Electricity Users*. Which device uses the most electricity? Of the light bulbs, which one uses more electricity?

Describe how electricity is generated in this gallery. (Not used or changed, but actually generated as part of one or more exhibits.)

**Bonus Question:**

Name the four states of matter.