**Activity 1: Human Anatomy Art Project**

In this activity, you will create a drawing of the human body and mark the following:

1. **Target organs**
2. Where mercury is metabolized
3. Where mercury is excreted

Watch one of the following videos to learn more about one of the target organs, the central nervous system (your brain!)

How the Brain Works – Part 1 (10 mins)
[http://www.youtube.com/watch?v=i5ao8mvMeFE](http://www.youtube.com/watch?v=i5ao8mvMeFE)

OR

How the Brain Works (9 mins)
[http://www.youtube.com/watch?v=Y4O_Wkv66b0](http://www.youtube.com/watch?v=Y4O_Wkv66b0)

**Instructions**

1. Get a big piece of construction paper and draw an outline of your body

2. Mark the different routes of exposure with an arrow and the name of the type of exposure

3. Label organs with their name and whether they are a target, excretion or metabolism organ.
   - **Option 1**: Use colored markers to draw in organ systems
   - **Option 2**: Using patterns, cut out organs from construction paper and paste them onto your cut out.

**Target organs:**
   a. Nervous System (Brain and Spinal column)
   b. Renal system (Kidneys)

**Excretion organs**: Renal system
   a. Kidneys
   b. Ureter, Urinary Bladder and Urethra
Metabolism organs: Digestive system
a. Tongue and Salivary glands
b. Esophagus
c. Liver
d. Gall bladder
e. Stomach
f. Large and Small Intestines
g. Rectum
h. Pancreas

Resources

A. Toxicological Profile for Mercury class readings
B. Picture of the nervous system: http://healthfavo.com/nervous-system-diagram.html
C. Picture of the digestive system: http://healthfavo.com/digestive-system-for-kids.html
D. Information (and diagrams) of the renal system: