



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>

OR

How the Brain Works (9 mins)

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:
http://www.teachengineering.org/view_lesson.php?url=collection/cub_/lessons/cub_human/cub_human_lesson08.xml