

DEADLY METALS



OBJECTIVE: *To research about heavy metals in order to decipher the killer metal to know the main characteristics and consequences of metal intoxication.*

HI CRIME DETECTIVES:



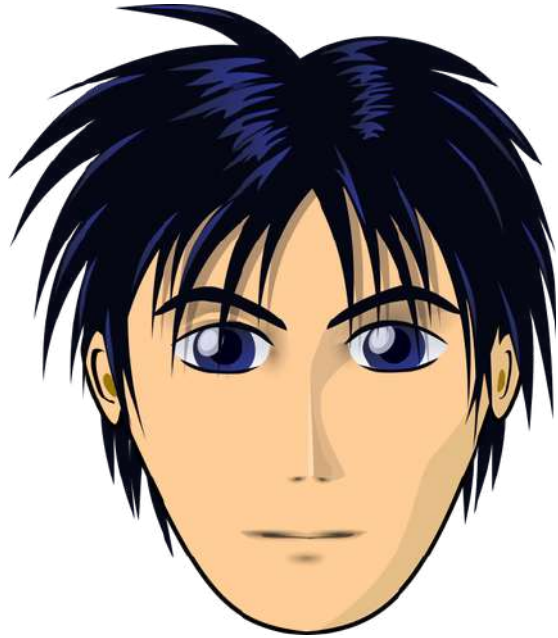
- Hello your will work in teams (2-3 persons).
- Your role is to **research** in order to find the suspicious metal who kills the victim.
- You will find some clues about victim's symptoms so you can identify the metal killer
- You need to write down a report

Here is your order.

You will read some classified files about the victims, you need to search in order to write down your final report for each victim. ***Good luck !***

- ★ **Metal name and chemical symbol:**
- ★ **Physicochemical metal properties :**
- ★ **Normal blood levels:**
- ★ **Metal Image:**
- ★ **Hypothesis about what had happened?:**

CLASSIFIED REPORT



JONAS V



1

Mechanical 30 years old

He was working as a mechanical since he was 15 years old.

He lived in a small house and he had to storage some truck pieces in gasoline at his garage to clean them.

Symptoms:

- Stomachache
- Headache since 6 months
- Weakness
- Vomit
- Anemia
- Blood levels 150 ug/l



METAL:

Chemical Symbol:

1. Physicochemical properties:

2. Normal blood levels:

3. Images:

4. Hypothesis about what could have happened to **Jonas V?**:

**CLASSIFIED
REPORT**



2



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KIARA S.

Journalist
42 years old

She was a correspondent and traveled to Nepal India to a small village near a field where people get their food.

The water that she consumed came from a hole.

Symptoms:

- Vomit
- Stomachache
- Diarrhea
- Tingling in hands and feet
- Blood levels 20ug/l



METAL:

Chemical Symbol:

1. Physicochemical properties:

2. Normal blood levels:

3. Images:

4. Hypothesis about what could have happened to **Kiara S?**

CLASSIFIED REPORT



3



MRS. JOHN R.

57 years old
Mine worker

He was working at a silver mine but sometimes he got his mask off. There was a gas leak at the mine.

Symptoms:

- Hand tremors
- Insomnia
- Muscle weakness
- Neurological problems

METAL:

Chemical Symbol:

1. Physicochemical properties:

2. Normal blood levels:

3. Images:

4. Hypothesis about what could have happened to **Mrs. John R?:**

REFLECTION TIME



If you had to give an advice about heavy metals what would you said?