



Let's Love Elements!

Social Actions with a Periodic Table



SGHN0024 Gyosei International High School

1. Background - Many Elements Are in Danger

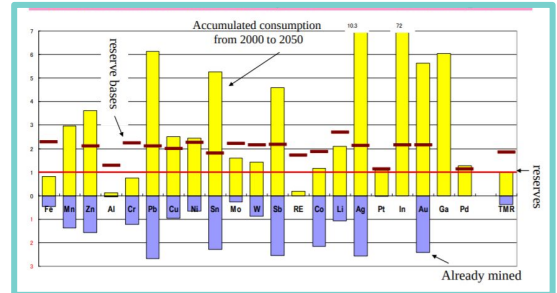
Many elements are facing a shortage

ex. "Rare metals"

- difficult to meet the need
- difficult to recycle



There is not enough awareness to recycle!



Current Reserves and Demand of Elements

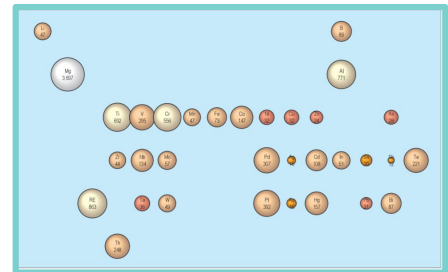
2. Action Plan - Making a Periodic Table

Raise awareness with an original Periodic Table

AWARENESS:

1. **consciousness**
know of the situation
2. **recognition**
able to see the origin
3. **realization**
realizing by specific actions/solutions

Available Years of Existing Reserves



What we want in our Periodic Table :

- 94 natural elements
- risk of exhaustion
- what each elements are used for
- ways to recycle
- previous researches

The Periodic Table spreads awareness and leads to taking specific actions

3. Conclusion

- create an original periodic table to prevent exhaustion of elements facing a shortage
- to raise people's awareness towards the situation of elements and lead them to taking specific actions.

We will continue researching on how to make the Table understandable, and effective for raising awareness of people.

References

Total Material Requirement; TMR <https://www.nims.go.jp/genso/0ej00700000039eq-att/0ej00700000039ld.pdf>
 携帯電話の環境背後霊 <http://jsmcwm.or.jp/edit/kurashi/05/052yamasue.pdf>