Chemicards

By Yann Brouillette and Adamo Petosa

In Class (Instructor) | **In Class (Students)** | **Out of Class**

Begin Here.

Instructor creates groups of 3-6 students.

Instructor assigns each group of students 10 randomly selected cards from the Chemicard (ANIONS + CATIONS) deck.

01

Each group sorts the cards to create ionic compounds, attempting to maximize the number of points obtained (according to the "IONIC!" card rules developed by Petosa & Brouillette).

★★★☆☆☆

02

Each group posts a photo of their sorted cards into an online collaborative platform (*e.g.*, Visual Classrooms). Below the photo, they write a paragraph indicating the number of points obtained and what ion pairs result in the points.

On the online collaborative platform, groups peer review/evaluate the work completed by two other teams, verifying whether the ion pairs created are correct and whether the points were maximized.

★★★★★☆

Based on their review, each group posts comments below the work completed by other teams, making suggestions for increasing the number of points obtained.

03

Groups comment on the suggestions/revisions posted by their peers, reporting the final set of ionic compounds generated and the total points obtained.

★★★★★☆

Instructor "shuffles" cards, providing each group with a new set of 10 cards to sort.

04

Groups repeat exercise, out of class, as many times as the instructor deems necessary.

Work in Groups

Upload

Writing

Problem Solving

Discussion

Peer-Review

Bloom's Taxonomy

★☆☆☆☆☆ Remember

★★☆☆☆☆ Understand

★★★☆☆☆ Apply

★★★★☆☆ Analyze

★★★★★☆ Evaluate

★★★★★★ Create