ACTIVITY

Activity 1:

Playing ‘What Am I?’ with the Periodic Table This activity is for you do to with your class. You will need a Post-it note or similar sticky paper for each member of your class.

1. Arrange the class into pairs.

2. Give each student one Post-it note (or something similar). Keeping the Post-it note hidden from their partner, ask your students to write the name of one group from the Periodic Table on it (or one scientist such as Newlands, or Mendeleev).

3. Ask the pairs to gently stick their Post-it note to their partner’s forehead, but so that only they can see it. For the game to work, students must not be able to see what is written on the Post-it note on their own forehead.

4. Each student must ask their partner a series of science questions to work out what periodic group or scientist they have stuck on their forehead.

5. As they play the game, move around the clasrooms to listen to the range of conversations. Listen especially for areas where students are not sure about the science concepts and ideas.

6. Make notes of what the students know about the groups in the Periodic Table and what they do not know so well. 7. If the students are not familiar with this sort of game, we might model the game with one student at the front of the classroom before they start. This will help the game to go more smoothly.

ACTIVITY 2

CARD GAME

Ask students to bring 114 cards . Ask them to write the following informations about each element in each card.

• symbol

• atomic number

• electron arrangement

• mass number

• appearance

• state at room temperature.

Ask the students to classify the elements according to the information written on the cards. . The students classify them in different ways.

Ask then to classify according to the way Mendeleev did , then they understand the difficulties Mendeleev faced . Ask them to list out the merits and demerits of Mendeleev’s periodic table.

Arrange the cards according to increase in order of atomic number then ask them to list out the advantages of this classification.